

LONDON- WEST MIDLANDS ENVIRONMENTAL STATEMENT

Volume 5 | Technical Appendices

CFA23 | Balsall Common and Hampton-in-Arden

Data appendix (LQ-001-023)

Land quality

November 2013

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Department
for Transport

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High Speed Two (HS2) Limited,
Eland House,
Bressenden Place,
London SW1E 5DU

Details of how to obtain further copies are available from HS2 Ltd.

Telephone: 020 7944 4908

General email enquiries: HS2enquiries@hs2.org.uk

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1 Introduction

- 1.1.1 The land quality appendix for the Balsall Common and Hampton-in-Arden community forum area (CFA) comprise:
- a summary of engagement undertaken (Section 2);
 - detailed risk assessment (Section 3);
 - inspection notes and other site data (Section 4);
 - geological sites of special scientific interest (SSSI) and local geological sites (LGS) (Section 5); and
 - mining and minerals data (Section 6).
- 1.1.2 Maps referred to throughout the land quality appendix are contained in the Volume 5 land quality map book.

2 Engagement

2.1.1 Table 1: Engagement on land quality issues undertaken for the study area sets out the local authorities and other organisations that have been engaged with during the preparation of the land quality section of the environmental impact assessment for the Balsall Common and Hampton-in-Arden study area, the types of information that have been provided to the assessment team and any specific concerns of those engaged with.

Table 1: Engagement on land quality issues undertaken for the study area

Local authority or other organisation	Method / dates of contact	Information provided and/or specific concerns
Solihull Metropolitan Borough Council (SMBC) – Spatial Planning Department	Email (2012 to 2013) Meeting 27 March 2013	<p>SMBC was contacted by the project team requesting information on mineral designations, mineral planning applications and landfill sites within Solihull. Responses were received via email in 2012 and 2013. Mineral designation geographical information system (GIS) shapefiles were received from SMBC on 3 July 2013, however, the shapefiles did not contain all of the mineral designation areas shown in the Solihull Draft Local Plan (2012). SMBC confirmed that these missing areas should be included within the shapefiles and SMBC are investigating the issue. No response or updated shapefiles have since been received.</p> <p>A meeting was held on 27 March 2013 between the project team and SMBC at SMBC offices. Sites within the SMBC area were discussed in relation to their potential for re-use of surplus materials and the authority's plans for mineral working. SMBC provided a summary of sites discussed and also sent through further plans for Berkswell Quarry by email on 11 April 2013.</p>
SMBC – Environmental Health Department	Email (2012) Meeting 19 March 2013	<p>SMBC was originally contacted in August 2012 regarding information on contaminated land or potential contaminated land sites within Solihull - including a request for a GIS layer of potential contaminated sites within Solihull.</p> <p>A meeting was held on 19 March 2013 between the project team and SMBC to discuss land quality issues including contaminated land, mining and mining reserves and land designations.</p> <p>Following the meeting on 19 March 2013, SMBC provided information on Lavender Hall Landfill and Lincoln Farm Cafe Landfill on 21 March 2013.</p> <p>A GIS layer containing potentially contaminated sites was received on 21 June 2013. Further information was requested on potentially contaminated sites shown on the GIS layer within the study area on 25 June 2013 and a response was</p>

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Local authority or other organisation	Method / dates of contact	Information provided and/or specific concerns
		received on the 1 July 2013 containing the available records for each site.
North Warwickshire Borough Council (NWBC) - Environmental Health Department	Email (2013)	The Pollution Control Officer at NWBC was contacted and provided records on contaminated land investigations and assessments within the NWBC area. The provided records were not relevant to this study area.
Warwickshire County Council (WCC) – Sustainable Communities Department	Email (2013)	Information was received on waste sites and designations on 31 January 2013. Mineral shapefiles containing operational mineral sites, preferred areas of mineral extraction and mineral safeguarding areas (MSA) were received via email on the 11 and 12 April 2013.
Environment Agency	Contacted via e- mail / telephone from March 2013 to May 2013	<p>Request for information to the Environment Agency on 2 March 2013 requesting information on landfill sites and special / potentially contaminated sites within study area for the Environmental Statement. This was followed up by a telephone call on 11 March 2013 from which it was confirmed that the request had been passed on to the Midlands customer service desk with a response due by 19 March 2013. A reply was received on 16 May 2013, but attachments were missing; an email was sent on 20 May 2013 requesting the attachments, which were received on the same day. The information received included contaminated land records held by the Environment Agency along the route (as a consequence of planning application reviews, Part 2A assessments etc.) and contaminated land site designations.</p> <p>In mid May 2013, a collective approach was made to the Environment Agency by all land quality teams requesting information regarding specific landfill sites and other sites of interest.</p> <p>A response was received on 7 August 2013 containing the available records.</p>
CEMEX	Email (2012)	CEMEX was contacted via email in November 2012 regarding Berkswell Quarry (operated by CEMEX). CEMEX have not provided any information to date.

3 Detailed risk assessment

- 3.1.1 This section presents assessments for the higher risk potentially contaminated sites within the study area. For each site the following data is presented:
- baseline risk assessment;
 - construction risk assessment;
 - post-construction risk assessment; and
 - assessment of temporary (construction) and permanent (post-construction) effects.
- 3.1.2 Grouping has been applied in accordance with the Land Quality Technical Note referred to in the Scope and Methodology Report (SMR) Addendum in Volume 5: Appendix CT-001-000/2.
- 3.1.3 The purpose of the grouping is to enable the assessment of a large number of sites within the study area that share similar characteristics. The grouping as part of the detailed assessment considers the type of contamination, for example soil/groundwater contamination with or without a potential for ground gas to also be present. It also seeks to differentiate between potentially contaminated sites that fall directly within the land required to construct the Proposed Scheme and those that fall outside.
- 3.1.4 The groups are defined as:
- conceptual site model (CSM) Group A: Sites* that fall fully/partially within the land required to construct the Proposed Scheme, potentially affected by soil/groundwater contamination and ground gas;
 - CSM Group B: Sites* that fall fully/partially within the land required to construct the Proposed Scheme, potentially affected by soil/groundwater contamination only;
 - CSM Group C: Sites* that fall outside of the land required to construct the Proposed Scheme, potentially affected by soil/groundwater contamination and ground gas;
 - CSM Group D: Sites* that fall outside of the land required to construct the Proposed Scheme, potentially affected by soil/groundwater contamination only.

*Sites are defined as the Stage C potentially contaminated sites that have been identified following the screening process in Stages A and B¹.

¹ These stages are described in the assessment methodology, set out in the SMR (see Volume 5: Appendix CT-001-000/1) and the SMR addendum (see Volume 5: Appendix CT-001-000/2).

- 3.1.5 The assessment of grouped sites is considered to be a high level assessment that is designed to distinguish between the key interactions that the different groups of potentially contaminated sites would have with the construction and post-construction stages of the Proposed Scheme. For the purpose of the grouped assessments the term “on-site users” refers to users of the potentially contaminated sites identified.
- 3.1.6 The sites assessed in this study area are set out in Table 2: Sites included in the detailed risk assessment within the study area

Table 2: Sites included in the detailed risk assessment within the study area

Site reference	Name
4	Group A Infilled pond
5	Infilled pond
6	Infilled pond
15	Lavender Hall Farm Landfill (historical)
17	Infilled marl pit
18	Infilled marl pit
20	Infilled pond
22	Infilled marl pit
33	Potentially infilled land
35	Berkswell Quarry restored with unknown fill
39	Infilled sand and gravel pit
50	Jacksons Brickworks Landfill (historical)
1	Group B Odnall End Farm
2	Dismantled Kenilworth to Balsall Common line
11	Rugby to Birmingham line
16	Lavender Hall Farm
29	Nursery
37	Possible historical munitions storage area
32	Group C Lincoln Farm Café Landfill (historical)
19	Group D Berkswell service station
23	Evesons fuel depot

- 3.1.7 Contaminant types included within the risk assessments are based on the Department of the Environment, Farming and Rural Affairs (DEFRA) and Environment Agency (2002); *Potential Contaminants for the Assessment of Land (CLR 8)*². Although this report has been withdrawn by the Environment Agency, there has been no subsequent authoritative document to replace it and it is still commonly used and considered good practice.
- 3.1.8 The remainder of this section presents the risk assessment for the sites set out in Table 2: Sites included in the detailed risk assessment within the study area. These sites are shown in Volume 5: Maps LQ-01-050b, LQ-01-051 and LQ-01-052.
- 3.1.9 The following abbreviations are used in these tables:
- BPA - British Pipeline Agency;
 - CSM - conceptual site model;
 - CoCP - code of construction practice;
 - MSA - mineral safeguarding area;
 - PAH - polycyclic aromatic hydrocarbons;
 - PPE - personal protective equipment;
 - RAMSAR sites - wetlands of international importance, designated under the Ramsar Convention³; and
 - SSSI - site of special scientific interest.

² Department for Environment, Food and Rural Affairs (DEFRA) and Environment Agency (2002), *Potential Contaminants for the Assessment of Land*, Environment Agency.

³ *Convention on Wetlands of International Importance especially as Waterfowl Habitat*. Ramsar (Iran), 2 February 1971. UN Treaty Series No. 14583. As amended by the Paris Protocol, 3 December 1982, and Regina Amendments, 28 May 1987.

Detailed risk assessment - Group A

Table 3: Detailed risk assessment for Group A sites in the study area

Site ID (IDS)	4, 5, 6, 15, 17, 18, 20, 22, 33, 35, 39, 50
Community forum area	Balsall Common and Hampton-in-Arden
Site group	Group A: Sites within the land required to construct the Proposed Scheme, potentially affected by soil, groundwater and gas contamination.
Site title (Site ID) and land use class⁴	<p>Infilled ponds (Site ID 4, 5, 6, 20), class 2, ponds filled with unknown material.</p> <p>Lavender Hall Farm Landfill (Site ID 15), class 3, historical landfill, filled with inert waste but evidence of burning of hazardous materials on-site.</p> <p>Infilled marl pit (Site IDs 17, 18 and 22), class 2, pits filled within unknown material.</p> <p>Potentially infilled land (Site ID 33), class 2 filled with unknown material.</p> <p>Berkswell Quarry restored with unknown fill (Site ID 35), class 2, former quarry backfilled with unknown material. If waste material was used to fill the quarry it is likely to have been inert waste.</p> <p>Infilled sand and gravel pit (Site ID 39), class 2, pit filled within unknown material.</p> <p>Jacksons Brickworks Landfill (Site ID 50), historical landfill, class 3, recorded as accepting inert, industrial, commercial, household and special waste.</p>
Receptors	
Sensitive land use e.g. housing, schools, parks, playgrounds (adjacent and/or <50m)	<p>Lavender Hall Farm is adjacent to Site ID 15.</p> <p>Housing off Park Lane is located within 50m of Site 22.</p> <p>Hornbrook Farm is adjacent to Site ID 35.</p> <p>Mercote Mill Farm is on Site ID 35.</p> <p>Pasture Farm and housing off the A45 Coventry Road are located on and adjacent to Site 50.</p>
Aquifer e.g. Secondary A or Principal	<p>Sites 4, 5, 6, 15, 17, 18 and 20 are located on the Tile Hill Mudstone Principal aquifer.</p> <p>Sites 33, 35, 39 and 50 are located on the Glaciofluvial Deposits Secondary A aquifer.</p> <p>Sites 35 and 50 are also located on the Alluvium Secondary A aquifer.</p>
Surface watercourses (adjacent and/or <50 m)	<p>Site 15 adjacent to ponds at Lavender Hall Fisheries.</p> <p>Sites 17 and 18 adjacent to Bayleys Brook.</p> <p>Unnamed tributaries to the River Blythe are adjacent to Sites 33 and 35.</p> <p>Shadow Brook is adjacent to Site 50.</p>
Geological or ecological designations e.g. SSSI or RAMSAR	Nursery Cottage Brickworks LGS is within part of Site 50.

⁴ As defined by Volume 1, the SMR (see Volume 5: Appendix CT-001-000/1) and the SMR Addendum (see Volume 5: Appendix CT-001-000/2)

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Property e.g. mineral resources, buildings and structures, Grade 1 agricultural land	<p>Sand and gravel MSA – Sites 20, 33, 35 and 39.</p> <p>Buildings located on or close to Sites 15, 22 and 50.</p>
Post-construction development	
<p>Infilled pond (Site ID 4), class 2, located on the route of the Proposed Scheme in Waste Lane cutting / at grade.</p> <p>Infilled ponds (Site IDs 5 and 6), class 2, located on the route of the Proposed Scheme railway on Beechwood embankment.</p> <p>Lavender Hall Farm Landfill (Site ID 15), class 3, historical landfill. A water pipe diversion is proposed through part of the landfill, which will require some earthworks. The route is located adjacent to the site on Lavender Hall embankment and then in Park Lane cutting.</p> <p>Infilled marl pits (Site IDs 17, 18 and 22), class 2. Sites 17 and 18 are to the north-east of Park Lane cutting and adjacent to Balsall Common Viaduct satellite compound. Site 22 is located within Park Lane cutting main compound in a proposed earthworks stockpile area.</p> <p>Infilled pond (Site ID 20), class 2. Located adjacent to works to Lavender Hall Lane in a proposed planting area.</p> <p>Potentially infilled land (Site ID 33). Located adjacent to works to Mercote Hall Lane and gas pipeline diversion.</p> <p>Berkswell Quarry restored with unknown fill (Site ID 35), class 2. Site 35 is located under the route on the Beechwood embankment with a balancing pond also located on the site.</p> <p>Infilled sand and gravel pit (Site ID 39), class 2. A proposed balancing pond is located on the site.</p> <p>Jacksons Brickworks Landfill (Site ID 50), historical landfill, class 3. Adjacent and under route in Diddington cutting. An electrical cable diversion is also proposed along the edge of part of the landfill.</p>	

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Table 4: Baseline CSM and qualitative risk assessment for Group A sites

Source	Receptor	Pathway	Probability	Consequence	Risk at baseline without mitigation
<p>Soil, leachate, ground gas and groundwater contamination from historical landfills and infilled pits and ponds.</p> <p>Potential for a range of organic and inorganic contaminants including but not limited to:</p> <p>Heavy metals, ammonia, asbestos, ground gases (methane, carbon dioxide) and organics such as PAH, fuels.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours from contaminated soils	Low	Medium	Moderate/low risk
		Direct contact, ingestion, inhalation of vapours from contaminated waters	Low	Medium	Moderate/low risk
		Inhalation of ground gases	Low	Severe	Moderate risk
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours from contaminated soils	Unlikely	Medium	Low risk
		Direct contact, ingestion, inhalation of vapours from contaminated waters	Unlikely	Medium	Low risk
		Inhalation of ground gases	Low to likely (sites 15, 22 and 50 have housing receptors nearby)	Severe	Moderate risk to high risk
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Likely (historical landfills and pits unlikely to have control measures in place)	Minor to medium (minor for infilled pits, possibly medium for large landfills dependent on waste type)	Moderate/low risk to moderate risk
	Controlled waters - surface water	Lateral migration through groundwater Direct run-off from site	Likely	Minor to medium (medium for large landfills dependent on waste type)	Moderate/low risk to moderate risk
	Property receptors – buildings, foundations and services (on-site)	Exposure to explosive gases	Low to likely (sites 15, 22 and 50 have housing receptors nearby)	Severe	Moderate risk to high risk

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Source	Receptor	Pathway	Probability	Consequence	Risk at baseline without mitigation
	and off-site)	Direct contact with contaminated soils and waters	Low	Minor	Low risk
Notes / assumptions Sites assessed without construction of the Proposed Scheme. A range may be given as the type and concentration of contaminants present at the sites is unknown.					

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Table 5: Construction CSM and qualitative risk assessment for Group A sites

Source	Receptor	Pathway	Probability	Consequence	Risk with construction stage mitigation
<p>Soil, leachate, ground gas and groundwater contamination from historical landfills and infilled pits.</p> <p>Potential for a range of organic and inorganic contaminants including but not limited to:</p> <p>Heavy metals, ammonia, asbestos, ground gases (methane, carbon dioxide) and organics such as PAH, fuels.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours from contaminated soils	Low	Medium	Moderate/low risk
		Direct contact, ingestion, inhalation of vapours from contaminated waters	Low	Medium	Moderate/low risk
		Inhalation of ground gases	Low	Severe	Moderate risk
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours from contaminated soils	Unlikely	Medium	Low risk
		Direct contact, ingestion, inhalation of vapours from contaminated waters	Unlikely	Medium	Low risk
		Inhalation of ground gases	Low to likely (sites 15, 22 and 50 have housing receptors nearby)	Severe	Moderate risk to high risk
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Likely (assuming not all of the landfill/infill material is removed during construction)	Minor to medium (minor for infilled pits, possibly medium for large landfills dependant on waste)	Moderate/low risk to moderate risk
	Controlled waters - surface water	Lateral migration through groundwater	Likely (assuming not all of the landfill/infill material is removed during construction)	Minor to medium (medium for large landfills dependant on waste)	Moderate/low risk to moderate risk
		Direct run-off from site			
	Property receptors – buildings, foundations and services (on-site and off-site)	Exposure to explosive gases	Low to likely (sites 15, 22 and 50 have housing receptors nearby)	Severe	Moderate risk to high risk
		Direct contact with contaminated soils	Low	Minor	Low risk

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Source	Receptor	Pathway	Probability	Consequence	Risk with construction stage mitigation
		and waters			
<p>Notes / assumptions</p> <p>During construction standard mitigation procedures are assumed to be implemented in accordance with the CoCP. Construction workers have been excluded from assessment due to the use of PPE / risk management.</p> <p>Whilst the CoCP will make it unlikely that there will be adverse consequences associated with construction e.g. the control of surface runoff and dust, it is considered that there may still be temporary minor adverse effects during the construction period from ground disturbance in these areas. The adoption of the CoCP generally results in a low to unlikely probability of a consequence, but in some cases the actual consequence may temporarily increase from that defined at baseline.</p> <p>Ground investigation will be required prior to construction.</p> <p>Assumes construction phase includes remediation that may be required.</p>					

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Table 6: Post-construction CSM and qualitative risk assessment for Group A sites

Source	Receptor	Pathway	Probability	Consequence	Risk with permanent works mitigation
<p>Soil, leachate, ground gas and groundwater contamination from historical landfills and infilled pits.</p> <p>Potential for a range of organic and inorganic contaminants including but not limited to:</p> <p>Heavy metals, ammonia, asbestos, ground gases (methane, carbon dioxide) and organics such as PAH and fuels.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours from contaminated soils	Unlikely	Medium	Low risk
		Direct contact, ingestion, inhalation of vapours from contaminated waters	Unlikely	Medium	Low risk
		Inhalation of ground gases	Unlikely	Severe	Moderate/low risk
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours from contaminated soils	Unlikely	Medium	Low risk
		Direct contact, ingestion, inhalation of vapours from contaminated waters	Unlikely	Medium	Low risk
		Inhalation of ground gases	Unlikely to likely (Sites 15, 22 and 50 have housing receptors nearby)	Severe	Moderate/low risk to high risk
	Controlled Waters - Groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Likely (assuming that not all of the landfill/waste material is removed from site)	Negligible to Medium (assuming some of the waste has been removed and the volumes of leachate have reduced)	Low risk to moderate risk
	Controlled Waters - Surface Water	Lateral migration through groundwater Direct run-off from site	Likely (assuming that not all of the landfill/waste material is removed from site)	Negligible to Medium (assuming some of the waste has been removed and the volumes of leachate has reduced)	Low risk to moderate risk
	Property receptors – buildings, foundations	Exposure to explosive gases	Unlikely to likely (sites 15, 22 and 50 have housing	Severe	Moderate/low risk to high risk

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Source	Receptor	Pathway	Probability	Consequence	Risk with permanent works mitigation
	and services (on-site and off-site)		receptors nearby)		
		Direct contact with contaminated soils and waters	Unlikely	Minor	Very low risk
<p>Notes / assumptions</p> <p>Assumes remediation required has been undertaken and construction works are complete.</p> <p>'On-site users' excludes rail passengers (as whilst within trains, will at all routine times be within a controlled environment) and maintenance workers; but includes people at stations/depots or in areas returned to public land after construction.</p> <p>A range may be given as remediation strategies will vary in design to focus on specific contaminative risks at each site. Remediation strategies may involve source removal or pathway intervention as appropriate.</p>					

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Table 7: Significance of impact during construction and post-construction for Group A sites

Contaminant linkage	Baseline	Construction	Post-construction	Construction impact	Post-construction impact
	Risk	Risk	Risk	Significance	Significance
Exposure to soil contamination – human health (on-site)	Moderate/low risk	Moderate/low risk	Low risk	Negligible	Minor beneficial
Exposure to groundwater contamination – human health (on-site)	Moderate/low risk	Moderate/low risk	Low risk	Negligible	Minor beneficial
Exposure to ground gases - human health (on-site)	Moderate risk	Moderate risk	Moderate/low risk	Negligible	Minor beneficial
Exposure to soil contamination – human health (off-site)	Low risk	Low risk	Low risk	Negligible	Negligible
Exposure to groundwater contamination – human health (off-site)	Low risk	Low risk	Low risk	Negligible	Negligible
Exposure to ground gases - human health (off-site)	Moderate risk to high risk	Moderate risk to high risk	Moderate/low risk to high risk	Negligible	Negligible to minor beneficial
Contaminated soil leachate / groundwater and pollution of aquifer	Moderate/low risk to moderate risk	Moderate/low risk to moderate risk	Low risk to moderate risk	Negligible	Negligible to minor beneficial
Contaminated soil leachate / groundwater and impact on surface watercourse	Moderate/low risk to moderate risk	Moderate/low risk to moderate risk	Low risk to moderate risk	Negligible	Negligible to minor beneficial
Impact on property receptors from ground gas	Moderate risk to high risk	Moderate risk to high risk	Moderate/low risk to high risk	Negligible	Negligible to minor beneficial
Impact on property receptors from soil contamination and groundwater	Low risk	Low risk	Very low risk	Negligible	Minor beneficial

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Overall significance		Negligible	Negligible to minor beneficial
<p>Notes / assumptions</p> <p>Assumes that remediation has been undertaken and construction works complete.</p> <p>Assuming mitigation during construction for risks to property.</p> <p>A range may be given dependent on whether contamination exists and whether it is removed during construction.</p>			

Detailed risk assessment – Group B

Table 8: Detailed risk assessment for Group B sites in the study area

Site ID (IDS)	1, 2, 11, 16, 29, 37
Community forum area	Balsall Common and Hampton-in-Arden
Site group	Group B: Sites within the land required to construct the Proposed Scheme, potentially affected by soil/groundwater contamination only.
Site title (Site ID) and land use class⁵	<p>Odnall End Farm (Site ID 1), class 1.</p> <p>Dismantled Kenilworth to Balsall Common line (Site ID 2), class 2.</p> <p>Rugby to Birmingham line (Site ID 11), class 2, operational railway.</p> <p>Lavender Hall Farm (Site ID 16), class 2 - Evidence of burning of hazardous waste observed during site walkover.</p> <p>Nursery (Site ID 29), class 1.</p> <p>Possible historical munitions storage area (Site ID 37), class 2.</p>
Receptors	
Sensitive land use e.g. housing, schools, parks, playgrounds (adjacent and / or <50m)	Residential properties within 50m of Site 1 (Little Beanit Farm and residential properties on Waste Lane) and Site 11 (Balsall Common).
Aquifer e.g. Secondary A or Principal	<p>Sites 1, 2, 11 and 16 are located on the Tile Hill Mudstone Principal aquifer.</p> <p>Sites 29 and 37 are located on the Glaciofluvial Deposits Secondary A aquifer. The Alluvium Secondary A aquifer is also present beneath Site 29.</p>
Surface watercourses (adjacent and / or <50 m)	Bayleys Brook crosses under Site 11.
Geological or ecological designations e.g. SSSI or RAMSAR	N/A
Property e.g. mineral resources, buildings and structures, Grade 1 agricultural land	<p>Sites 1, 2 and 11 in mineral safeguarding area for coal.</p> <p>Sites 29 and 37 are within preferred mineral site for sand and gravel extraction.</p> <p>Buildings onsite or adjacent to Sites 11, 16 and 37.</p>
Post-construction development	

⁵ As defined by Volume 1, the SMR (Volume 5: Appendix CT-001-000/1) and the SMR Addendum (Volume 5: Appendix CT-001-000/2)

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Odnall End Farm (Site ID 1), class 1. Adjacent to route in Waste Lane cutting / at grade.

Dismantled Kenilworth to Balsall Common line (Site ID 2), class 2. Adjacent to proposed Beechwood embankment. Two balancing ponds are located on/adjacent to the dismantled line.

Rugby to Birmingham line (Site ID 11), class 2, operational. Route to cross over operational railway. Proposed oil pipeline diversion to cross under the existing rail line.

Lavender Hall Farm (Site ID 16), class 2. Adjacent to route in Park Lane cutting. Adjacent and within an area of works to Footpath M196.

Nursery (Site ID 29), class 1. To the south of the route on Sixteen Acre Wood embankment and Marsh Farm viaduct. Adjacent to A452 Kenilworth Road overbridge works and underground power line diversion – excavation possibly required.

Possible historical munitions storage area (Site ID 37), class 2. The route crosses the site on Blythe Bypass embankment and in Patrick cutting. A balancing pond is located in north-western corner of the site.

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Table 9: Baseline CSM and qualitative risk assessment for Group B sites

Source	Receptor	Pathway	Probability	Consequence	Risk at baseline without mitigation
Soil, leachate and groundwater contamination from railways, farms, a nursery and a possible historical munitions storage area. Potential for a range of organic and inorganic contaminants including but not limited to: Heavy metals, fuels, pesticides and fertilisers (farm and nursery use), explosives (Site 37 only), asbestos and PAH.	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely to low	Minor to medium	Very low risk to moderate/low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely to low	Minor	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely to low	Minor	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely to low	Minor	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Controlled Waters - Groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Low to likely (all sites on or adjacent to aquifers)	Minor	Low risk to moderate/low risk
	Controlled waters - surface water	Lateral migration through groundwater	Low to likely (sites located close to surface waters only)	Minor	Low risk to moderate/low risk
		Direct run-off from site			
	Property receptors – buildings, foundations and services (on-site and off-site)	Exposure to explosive gases	N/A	N/A	N/A
		Direct contact with contaminated soils and waters	Low	Minor	Low risk
Notes / assumptions Sites assessed without construction of the Proposed Scheme.					

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Source	Receptor	Pathway	Probability	Consequence	Risk at baseline without mitigation
<p>N/A is not applicable, due to grouping assumption that Group B sites are not affected by ground gas.</p> <p>A range may be given as the type and concentration of contaminants present at the sites is unknown.</p>					

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Table 10: Construction CSM and qualitative risk assessment for Group B sites

Source	Receptor	Pathway	Probability	Consequence	Risk with construction stage mitigation
<p>Soil, leachate and groundwater contamination from railways, farms, a nursery and a possible historical munitions storage area.</p> <p>Potential for a range of organic and inorganic contaminants including but not limited to:</p> <p>Heavy metals, fuels, pesticides and fertilisers (farm and nursery use), explosives (Site 37 only), asbestos and PAH.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely to low	Minor to Medium	Very low risk to moderate/low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely to low	Minor	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely to low	Minor	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely to low	Minor	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Low to likely (all sites on or adjacent to aquifers)	Minor	Low risk to moderate/low risk
	Controlled waters - surface water	Lateral migration through groundwater	Low to likely (sites located close to surface waters only)	Minor	Low risk to moderate/low risk
		Direct run-off from site			
Notes / assumptions	Property receptors – buildings, foundations and services (on-site and off-site)	Exposure to explosive gases	N/A	N/A	N/A
		Direct contact with contaminated soils and waters	Low	Minor	Low risk

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Source	Receptor	Pathway	Probability	Consequence	Risk with construction stage mitigation
<p>Whilst the CoCP will make it unlikely that there will be adverse consequences, it is considered that there may still be temporary minor adverse effects during the construction period from ground disturbance in these areas. The adoption of the CoCP generally results in a low or unlikely probability, but in some cases the consequence may temporarily increase from that defined at baseline.</p> <p>N/A is not applicable, due to grouping assumption that Group B sites are not affected by ground gas.</p> <p>Ground investigation will be required prior to construction.</p> <p>Assumes construction phase includes remediation that may be required.</p>					

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Table 11: Post-construction CSM and qualitative risk assessment for Group B sites

Source	Receptor	Pathway	Probability	Consequence	Risk with permanent works mitigation
<p>Soil, leachate and groundwater contamination from railways, farms, a nursery and a possible historical munitions storage area.</p> <p>Potential for a range of organic and inorganic contaminants including but not limited to:</p> <p>Heavy metals, fuels, pesticides and fertilisers (farm and nursery use), explosives (Site 37 only), asbestos and PAH.</p>	On-site users – current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely to low	Minor	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor	Very low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor	Very low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor	Very low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Unlikely to likely (all sites on or adjacent to aquifers)	Minor	Very low risk to moderate/low risk
	Controlled waters - surface water	Lateral migration through groundwater Direct run-off from site	Unlikely to likely (sites located close to surface waters only)	Minor	Very low risk to moderate/low risk
	Property receptors – buildings, foundations and services (on-site and off-site)	Exposure to explosive gases	N/A	N/A	N/A
		Direct contact with contaminated soils and waters	Unlikely	Minor	Very low risk
Notes / assumptions Assumes remediation required has been undertaken and construction works are complete.					

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Source	Receptor	Pathway	Probability	Consequence	Risk with permanent works mitigation
<p>N/A is not applicable, due to grouping assumption that Group B sites are not affected by ground gas.</p> <p>'On-site users' excludes rail passengers (as whilst within trains, will at all routine times be within a controlled environment) and maintenance workers; but includes people at stations/depots or in areas returned to public land after construction.</p> <p>A range may be given as remediation strategies will vary in design to focus on specific contaminative risks at each site. Remediation strategies may involve source removal or pathway intervention as appropriate.</p>					

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Table 12: Significance of impact during construction and post-construction for Group B sites

Contaminant linkage	Baseline	Construction	Post-construction	Construction impact	Post-construction impact
	Risk	Risk	Risk	Significance	Significance
Exposure to soil contamination – human health (on-site)	Very low risk to moderate/low risk	Very low risk to moderate/low risk	Very low risk to low risk	Negligible	Negligible to minor beneficial
Exposure to groundwater contamination – human health (on-site)	Very low risk to low risk	Very low risk to low risk	Very low risk	Negligible	Negligible to minor beneficial
Exposure to ground gases – human health (on-site)	N/A	N/A	N/A	N/A	N/A
Exposure to soil contamination – human health (off-site)	Very low risk to low risk	Very low risk to low risk	Very low risk	Negligible	Negligible to minor beneficial
Exposure to groundwater contamination – human health (off-site)	Very low risk to low risk	Very low risk to low risk	Very low risk	Negligible	Negligible to minor beneficial
Exposure to ground gases – human health (on-site)	N/A	N/A	N/A	N/A	N/A
Contaminated soil leachate / groundwater and pollution of aquifer	Low risk to moderate/low risk	Low risk to moderate/low risk	Very low risk to moderate/low risk	Negligible	Negligible to minor beneficial
Contaminated soil leachate / groundwater and impact on surface watercourse	Low risk to moderate/low risk	Low risk to moderate/low risk	Very low risk to moderate/low risk	Negligible	Negligible to minor beneficial
Impact on property receptors from ground gases	N/A	N/A	N/A	N/A	N/A
Impact on property receptors from	Low risk	Low risk	Very low risk	Negligible	Minor beneficial

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contaminated soils and groundwater					
Overall significance				Negligible	Negligible to minor beneficial
Notes / assumptions Assumes that remediation has been undertaken and construction works complete. N/A is not applicable, due to grouping assumption that Group B sites are not affected by ground gas. A range may be given dependent on whether contamination exists and whether it is removed during construction					

Detailed risk assessment – Group C

Table 13: Detailed risk assessment for Group C sites in the study area

Site ID (IDS)	32
Community forum area	Balsall Common and Hampton-in-Arden
Site group	Group C: Sites outside of the land required to construct the Proposed Scheme, potentially affected by soil, groundwater and gas contamination.
Site title (Site ID) and land use class⁶	Lincoln Farm Café Landfill (Site ID 32), class 3. Historical wood storage and process facility potentially included disposal of waste ashes. Envirocheck indicates that the site historically contained a non-retail fuel station.
Receptors	
Sensitive land use e.g. housing, schools, parks, playgrounds (adjacent and / or <50m)	Arden House is located on the site and buildings are also located adjacent to the south of the site.
Aquifer e.g. Secondary A or Principal	Secondary A aquifers (Glaciofluvial Deposits, River Terrace Deposits and Alluvium) are located beneath the site.
Surface watercourses (adjacent and / or <50 m)	Bayleys Brook is adjacent to the site.
Geological or ecological designations e.g. SSSI or RAMSAR	N/A
Property e.g. mineral resources, buildings and structures, Grade 1 agricultural land	Arden House is located on the site and buildings are also located adjacent to the south of the site.
Post-construction development	
Lincoln Farm Café Landfill is located within 50m of the A452 Kenilworth Road diversion works.	

⁶ As defined by Volume 1, the SMR (see Volume 5: Appendix CT-001-000/1) and the SMR Addendum (see Volume 5: Appendix CT-001-000/2)

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Table 14: Baseline CSM and qualitative risk assessment for Group C sites

Source	Receptor	Pathway	Probability	Consequence	Risk at baseline without mitigation
<p>Soil, leachate, ground gas and groundwater contamination from Site 32 a historical landfill.</p> <p>Potential for a range of organic and inorganic contaminants including but not limited to:</p> <p>Heavy metals, ammonia, asbestos, ground gases (methane, carbon dioxide) and organics such as PAH and fuels.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Low	Medium	Moderate/low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Low	Medium	Moderate/low risk
		Inhalation of ground gases	Low to likely (dependent on whether degradable material is present at the site)	Severe	Moderate risk to high risk
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Medium	Low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Medium	Low risk
		Inhalation of ground gases	Low to likely (dependent on whether degradable material is present at the site)	Severe	Moderate risk to high risk
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Low to likely (dependent on whether leachable contaminants are present at the site)	Medium	Moderate/low risk to moderate risk
	Controlled waters - surface water	Lateral migration through groundwater	Low to likely (dependent on whether leachable contaminants are present at the site)	Medium	Moderate/low risk to moderate risk
		Direct run-off from site			

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Source	Receptor	Pathway	Probability	Consequence	Risk at baseline without mitigation
	Property receptors – buildings, foundations and services (on-site and off-site)	Exposure to explosive gases	Low to likely (dependent on whether degradable material is present at the site)	Severe	Moderate risk to high risk
		Direct contact with contaminated soils and waters	Low to likely	Minor	Low risk to moderate/low risk
Notes / assumptions Sites assessed without construction of the Proposed Scheme. 'On-site' and 'off-site' here refer to site users being situated within or adjacent to the potentially contaminated sites being assessed. A range may be given as the type and concentration of contaminants present at the sites is unknown.					

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Table 15: Construction CSM and qualitative risk assessment for Group C sites

Source	Receptor	Pathway	Probability	Consequence	Risk with construction stage mitigation
<p>Soil, leachate, ground gas and groundwater contamination from Site 32 a historical landfill.</p> <p>Potential for a range of organic and inorganic contaminants including but not limited to:</p> <p>Heavy metals, ammonia, asbestos, ground gases (methane, carbon dioxide) and organics such as PAH and fuels.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Low	Medium	Moderate/low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Low	Medium	Moderate/low risk
		Inhalation of ground gases	Low to likely (dependent on whether degradable material is present at the site)	Severe	Moderate risk to high risk
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Medium	Low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Medium	Low risk
		Inhalation of ground gases	Low to likely (dependent on whether degradable material is present at the site)	Severe	Moderate risk to high risk
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Low to likely (dependent on whether leachable contaminants are present at the site)	Medium	Moderate/low risk to moderate risk
	Controlled waters - surface water	Lateral migration through groundwater	Low to likely (dependent on whether leachable contaminants are present at the site)	Medium	Moderate/low risk to moderate risk
		Direct run-off from site			
	Property receptors –	Exposure to explosive gases	Low to likely (dependent	Severe	Moderate risk to high risk

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Source	Receptor	Pathway	Probability	Consequence	Risk with construction stage mitigation
	buildings, foundations and services (on-site and off-site)		on whether degradable material is present at the site)		
		Direct contact with contaminated soils and waters	Low to likely	Minor	Low risk to moderate/low risk
Notes / assumptions 'On-site' and 'off-site' here refer to site users being situated within or adjacent to the potentially contaminated sites being assessed. Sites within this CSM group are located outside of the land required to construct the Proposed Scheme and represent off-site potential sources of contamination. Due to the absence of works at these sites, the source at construction will remain the same as at baseline.					

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Table 16: Post-construction CSM and qualitative risk assessment for Group C sites

Source	Receptor	Pathway	Probability	Consequence	Risk with permanent works mitigation
<p>Soil, leachate, ground gas and groundwater contamination from Site 32 a historical landfill.</p> <p>Potential for a range of organic and inorganic contaminants including but not limited to:</p> <p>Heavy metals, ammonia, asbestos, ground gases (methane, carbon dioxide) and organics such as PAH and fuels.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Low	Medium	Moderate/low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Low	Medium	Moderate/low risk
		Inhalation of ground gases	Low to likely (dependent on whether degradable material is present at the site)	Severe	Moderate risk to high risk
	Off-site users - residential	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Medium	Low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Medium	Low risk
		Inhalation of ground gases	Low to likely (dependant on whether degradable material is present at the site)	Severe	Moderate risk to high risk
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Low to likely (dependent on whether leachable contaminants are present at the site)	Medium	Moderate/low risk to moderate risk
	Controlled waters - surface water	Lateral migration through groundwater	Low to likely (dependent on whether leachable contaminants are present at the site)	Medium	Moderate/low risk to moderate risk
		Direct run-off from site			
	Property receptors –	Exposure to explosive gases	Low to likely (dependent	Severe	Moderate risk to high risk

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Source	Receptor	Pathway	Probability	Consequence	Risk with permanent works mitigation
	buildings, foundations and services (on-site and off-site)		on whether degradable material is present at the site)		
		Direct contact with contaminated soils and waters	Low to likely	Minor	Low risk to moderate/low risk
Notes / assumptions 'On-site' and 'off-site' here refer to site users being situated within or adjacent to the potentially contaminated sites being assessed. Sites within this CSM group are located outside of the land required to construct the Proposed Scheme and represent off-site potential sources of contamination. Due to the absence of remediation targeting these sites, the source at post-construction will remain the same as at baseline.					

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Table 17: Significance of impact during construction and post-construction for Group C sites

Contaminant linkage	Baseline	Construction	Post-construction	Construction impact	Post-construction impact
	Risk	Risk	Risk	Significance	Significance
Exposure to soil contamination – human health (on-site)	Moderate/low risk	Moderate/low risk	Moderate/low risk	Negligible	Negligible
Exposure to groundwater contamination – human health (on-site)	Moderate/low risk	Moderate/low risk	Moderate/low risk	Negligible	Negligible
Exposure to ground gases - human health (on-site)	Moderate risk to high risk	Moderate risk to high risk	Moderate risk to high risk	Negligible	Negligible
Exposure to soil contamination – human health (off-site - residential)	Low risk	Low risk	Low risk	Negligible	Negligible
Exposure to groundwater contamination – human health (off-site - residential)	Low risk	Low risk	Low risk	Negligible	Negligible
Exposure to ground gases - human health (off-site - residential)	Moderate risk to high risk	Moderate risk to high risk	Moderate risk to high risk	Negligible	Negligible
Contaminated soil leachate / groundwater and pollution of aquifer	Moderate/low risk to moderate risk	Moderate/low risk to moderate risk	Moderate/low risk to moderate risk	Negligible	Negligible
Contaminated soil leachate / groundwater and impact on surface watercourse	Moderate/low risk to moderate risk	Moderate/low risk to moderate risk	Moderate/low risk to moderate risk	Negligible	Negligible
Impact on property receptors from ground gases	Moderate risk to high risk	Moderate risk to high risk	Moderate risk to high risk	Negligible	Negligible

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Impact on property receptors from soil contamination and groundwater	Low risk to moderate/low risk	Low risk to moderate/low risk	Low risk to moderate/low risk	Negligible	Negligible
Overall significance				Negligible	Negligible

Detailed risk assessment – Group D

Table 18: Detailed risk assessment for Group D sites in the study area

Site ID (IDS)	19, 23
Community forum area	Balsall Common and Hampton-in-Arden
Site group	Group D: Sites outside of the land required to construct the Proposed Scheme, potentially affected by soil/groundwater contamination only.
Site title (Site ID) and land use class⁷	Berkswell Service Station (Site ID 19), class 3. No longer operational. Evesons Fuel Depot (Site ID 23), class 3.
Receptors	
Sensitive land use e.g. housing, schools, parks, playgrounds (adjacent and / or <50m)	Site 19 located adjacent to residential housing (the northern edge of Balsall Common).
Aquifer e.g. Secondary A or Principal	Sites 19 and 23 are located on the Glaciofluvial Deposits (sand and gravel) Secondary A aquifer.
Surface watercourses (adjacent and/or <50 m)	N/A
Geological or ecological designations e.g. SSSI or RAMSAR	N/A
Property e.g. mineral resources, buildings and structures, Grade 1 agricultural land	Site 23 is located next to commercial buildings within Bradnocks Farm business centre.
Post-construction development	
Berkswell Service Station (19), class 3. Located to the west of the route to the south of the Rugby to Birmingham line. Evesons Fuel Depot (23), class 3. Located to the west of the route.	

⁷ As defined by Volume 1, the SMR (see Volume 5: Appendix CT-001-000/1) and the SMR Addendum (see Volume 5: Appendix CT-001-000/2)

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Table 19: Baseline CSM and qualitative risk assessment for Group D sites

Source	Receptor	Pathway	Probability	Consequence	Risk at baseline without mitigation
<p>Soil, leachate and groundwater contamination from two fuel storage sites.</p> <p>Potential for a range of contaminants, particularly petroleum hydrocarbons associated with fuel storage.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users – residential (Site 13 only)	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users – commercial/ industrial (Site 17 only)	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Low to likely (sites are located over Secondary A aquifer, and therefore, if a source is present likely to be a pathway but source may not be present)	Medium to severe (sites are class 3 with the potential for petroleum contamination)	Moderate/low risk to high risk

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Source	Receptor	Pathway	Probability	Consequence	Risk at baseline without mitigation
	Controlled waters - surface water	Lateral migration through groundwater Direct run-off from site	N/A	N/A	N/A
	Property receptors – buildings, foundations and services (on-site and off-site)	Exposure to explosive gases	N/A	N/A	N/A
		Direct contact with contaminated soils and waters	Low to likely (dependent on whether contamination is present)	Minor	Low risk to moderate/low risk
Notes / assumptions Sites assessed without construction of the Proposed Scheme. N/A is not applicable, due to grouping assumption that Group D sites are not affected by ground gas, or as there are no surface waters close to either site. 'On-site' and 'off-site' here refer to site users being situated within or adjacent to the potentially contaminated sites being assessed. A range may be given as the type and concentration of contaminants present at the sites is unknown.					

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Table 20: Construction CSM and qualitative risk assessment for Group D sites

Source	Receptor	Pathway	Probability	Consequence	Risk with construction stage mitigation
<p>Soil, leachate and groundwater contamination from two fuel storage sites.</p> <p>Potential for a range of contaminants, particularly petroleum hydrocarbons associated with fuel storage.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users – residential (Site 13 only)	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users – commercial/ industrial (Site 17 only)	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Low to likely (sites are located over Secondary A aquifer and therefore if a source is present likely to be a pathway but source may not be present)	Medium to severe (sites are class 3 with the potential for petroleum contamination)	Moderate/low risk to high risk
	Controlled waters -	Lateral migration through	N/A (no surface waters)	N/A	N/A

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Source	Receptor	Pathway	Probability	Consequence	Risk with construction stage mitigation
	surface water	groundwater Direct run-off from site	close to either site)		
	Property receptors – buildings, foundations and services (on-site and off-site)	Exposure to explosive gases	N/A	N/A	N/A
		Direct contact with contaminated soils and waters	Low to likely (dependent on whether contamination is present)	Minor	Low risk to moderate/low risk
Notes / assumptions 'On-site' and 'off-site' here refer to site users being situated within or adjacent to the potentially contaminated sites being assessed. Sites within this CSM group are located outside of the land required to construct the Proposed Scheme and represent off-site potential sources of contamination. Due to the absence of works at these sites, the source at construction will remain the same as at baseline.					

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Table 21: Post-construction CSM and qualitative risk assessment for Group D sites

Source	Receptor	Pathway	Probability	Consequence	Risk with permanent works mitigation
<p>Soil, leachate and groundwater contamination from two fuel storage sites.</p> <p>Potential for a range of contaminants, particularly petroleum hydrocarbons associated with fuel storage.</p>	On-site users - current	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users – residential (Site 13 only)	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Off-site users – commercial/ industrial (Site 17 only)	Direct contact, ingestion, inhalation of dusts and vapours with contaminated soils	Unlikely	Minor to medium	Very low risk to low risk
		Direct contact, ingestion, inhalation of vapours with contaminated waters	Unlikely	Minor to medium	Very low risk to low risk
		Inhalation of ground gases	N/A	N/A	N/A
	Controlled waters - groundwater	Leaching, vertical and lateral migration from contaminated soils and waters	Low to likely (sites are located over Secondary A aquifer, and therefore, if a source is present likely to be a pathway, but source may not be present)	Medium to severe (sites are class 3 with the potential for petroleum contamination)	Moderate/low risk to high risk

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Source	Receptor	Pathway	Probability	Consequence	Risk with permanent works mitigation
	Controlled waters - surface water	Lateral migration through groundwater Direct run-off from site	N/A (no surface waters close to either site)	N/A	N/A
	Property receptors – buildings, foundations and services (on-site and off-site)	Exposure to explosive gases	N/A	N/A	N/A
		Direct contact with contaminated soils and waters	Low to likely (dependent on whether contamination is present)	Minor	Low risk to moderate/low risk
Notes / assumptions 'On-site' and 'off-site' here refer to site users being situated within or adjacent to the potentially contaminated sites being assessed. Sites within this CSM group are located outside of the land required to construct the Proposed Scheme and represent off-site potential sources of contamination. Due to the absence of remediation targeting these sites, the source at post-construction will remain the same as at baseline.					

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Table 22: Significance of impact during construction and post-construction for Group D sites

Contaminant linkage	Baseline	Construction	Post-construction	Construction impact	Post-construction impact
	Risk	Risk	Risk	Significance	Significance
Exposure to soil contamination – human health (on-site)	Very low risk to low risk	Very low risk to low risk	Very low risk to low risk	Negligible	Negligible
Exposure to groundwater contamination – human health (on-site)	Very low risk to low risk	Very low risk to low risk	Very low risk to low risk	Negligible	Negligible
Exposure to ground gases - human health (on-site)	N/A	N/A	N/A	N/A	N/A
Exposure to soil contamination – human health (off-site - residential)	Very low risk to low risk	Very low risk to low risk	Very low risk to low risk	Negligible	Negligible
Exposure to groundwater contamination – human health (off-site - residential)	Very low risk to low risk	Very low risk to low risk	Very low risk to low risk	Negligible	Negligible
Exposure to ground gases - human health (off-site - residential)	N/A	N/A	N/A	N/A	N/A
Exposure to soil contamination – human health (off-site - commercial)	Very low risk to low risk	Very low risk to low risk	Very low risk to low risk	Negligible	Negligible
Exposure to groundwater contamination – human health (off-site - commercial)	Very low risk to low risk	Very low risk to low risk	Very low risk to low risk	Negligible	Negligible
Exposure to ground gases - human health (off-site -	N/A	N/A	N/A	N/A	N/A

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commercial)					
Contaminated soil leachate / groundwater and pollution of aquifer	Moderate/low risk to high risk	Moderate/low risk to high risk	Moderate/low risk to high risk	Negligible	Negligible
Contaminated soil leachate / groundwater and impact on surface watercourse	N/A	N/A	N/A	N/A	N/A
Impact on property receptors from ground gases	N/A	N/A	N/A	N/A	N/A
Impact on property receptors from soil contamination and groundwater	Low risk to moderate/low risk	Low risk to moderate/low risk	Low risk to moderate/low risk	Negligible	Negligible
Overall significance				Negligible	Negligible

4 Inspections notes and other site data

4.1.1 This section presents the following data:

- site inspection notes for those key potentially contaminated sites visited during the study period;
- names of ground investigation or contamination survey reports reviewed during the study period; and
- any other relevant site data.

4.1.2 Table 23 details the site inspection notes from visits made to sites. The site inspection notes are then included.

Table 23: Site inspection notes

Date	Site
31 May 2012	Section of Berkswell Quarry (now restored) to the west of the A452 Kenilworth Road
31 August 2012	Lavender Hall Farm

HS2 WEST MIDLANDS – LAND QUALITY GEO-ENVIRONMENTAL SITE INSPECTION PRO FORMA

PROJECT	HS2		
SITE ADDRESS	Section of Berkswell Quarry (now restored) to the west of the A452 Kenilworth Road		
PROJECT REFERENCE	Land quality site walkover	DATE	31 May 2012
PREPARED BY	Land quality project team	NGR	422600 280700
WEATHER	Cloudy		

OVERVIEW SITE DESCRIPTION

Area of former sand and gravel extraction. An area of land raising was seen. The site had a domed topography in the centre of the former gravel pit suggesting the site has been infilled (up to approximately 5.0m), see photograph below.



TOPOGRAPHY

Domed site topography suggesting the quarry has been infilled.

SURROUNDING LAND USE

NORTH	Agriculture. Stream present along northern boundary.
NORTHEAST	Agriculture and A452 Kenilworth Road.
EAST	A452 Kenilworth Road
SOUTHEAST	A452 Kenilworth Road

SOUTH	Agriculture.
SOUTHWEST	Former sand and gravel quarry (not backfilled). Large ponds present.
NORTHWEST	Agriculture.
GENERAL	

VISUAL OR ANECDOTAL EVIDENCE OF CONTAMINATION

None identified.

BUILDINGS AND LARGE INFRASTRUCTURE

No building present on-site.

VEGETATION COVER

Grassed.

ECOLOGICAL ISSUES

Unknown. None identified.

SOIL QUALITY

Unknown.

SITE DRAINAGE

Domed surface. Stream running along northern boundary.

WATER QUALITY

Unknown.

ANCILLIARY INFRASTRUCTURE

N/A.

SITE OPERATION (PAST AND PRESENT)

Former sand and gravel quarry now restored.

HS2 WEST MIDLANDS – LAND QUALITY GEO-ENVIRONMENTAL SITE INSPECTION PRO FORMA

PROJECT	HS2		
SITE ADDRESS	Lavender Hall Farm		
PROJECT REFERENCE	Land quality site walkover	DATE	31 August 2012
PREPARED BY	Land quality project team	NGR	SP 240 780
WEATHER	Sunny, Dry		

OVERVIEW SITE DESCRIPTION

Working farm. Farmhouse and main farm buildings.
Historical landfill covers large area of site. Capped with hardcore, and has become vegetated in some areas. According to the landowner, landfill was inert and closed in 1995.

TOPOGRAPHY

Slopes to the north-east in north western corner of site.
Capped landfill on higher ground, approximately 3m higher. Mounded up, gently slopes towards south (fisheries).

SURROUNDING LAND USE

NORTH	Residential and agricultural land
NORTHEAST	Residential and agricultural fields
EAST	
SOUTHEAST	Lavender Hall Fisheries
SOUTH	
SOUTHWEST	Railway
NORTHWEST	
GENERAL	Sensitive receptors – residential properties and agricultural land

VISUAL OR ANECDOTAL EVIDENCE OF CONTAMINATION

Waste materials dumped in area surrounding fuel storage tank.

BUILDINGS AND LARGE INFRASTRUCTURE

Asbestos on farm warehouse roof.
Large metal warehouse used for car mechanics.

VEGETATION COVER

Vegetation and moss around edges of capped landfill.
Dense vegetation in south area, towards fisheries.
Some vegetative cover over hard-standing

ECOLOGICAL ISSUES

Japanese Knotweed in south-east area of the site

SOIL QUALITY

No evidence of soil distress

Compacted hard-standing with some vegetative growth in landfill area.

SITE DRAINAGE

No evidence of poor drainage.

Uneven under foot and some boggy/ponded areas in south section of the site.

WATER QUALITY

No water on-site, except pond where large crack in hard-standing.

Fisheries off-site to the south-east.

ANCILLIARY INFRASTRUCTURE

One fuel storage tank, appears empty and in disuse. No obvious signs of spillage.

Hazardous waste materials dumped in surrounding area.

SITE OPERATION (PAST AND PRESENT)

Farm buildings – working farm.

Historical landfill. Inert, ceased in 1995 (according to farm owner).

Evidence of use for hazardous waste collection.

4.1.3 Other relevant site data that has been reviewed is detailed in Table 24 below. These documents are appended to this report.

Table 24: Other relevant site data

Site	Document description	No. pages
Jacksons Brickworks Landfill	Records held by SMBC	33
Lavender Hall Farm Landfill	Records held by SMBC (I)	19
Lavender Hall Farm Landfill	Records held by SMBC (II)	23
Lavender Hall Farm Landfill	Landfill working plan - received from Environment Agency	32
Lincoln Farm Cafe	Records held by SMBC (I)	20
Lincoln Farm Cafe	Records held by SMBC (II)	21
Lincoln Farm Cafe	Records held by SMBC (III)	27
Berkswell Quarry	Copy of permit received from Environment Agency	16
Berkswell Quarry	Proposed extraction plans 2002 / 2003 received from SMBC	4

4.1.4 Information received from SMBC Spatial Planning Department detailing mineral/landfill sites within their area is included in Table 25.

Table 25: Information on mineral and landfill sites from SMBC Spatial Planning Department

Location	Information
Meriden Quarry, Cornets End Lane, Meriden, CV7 7LG	<p>Owner – mostly Packington Estates, plus some land owned by UK Coal</p> <p>Operator – Lafarge Tarmac</p> <p>Sand and gravel quarry – existing voids to be infilled, plus new mineral extension areas about to commence – estimated 5 years extraction and 12 years infilling.</p> <p>Existing infill material (currently) limited to colliery spoil from Daw Mill Colliery – which has just closed.</p> <p>Capacity of remaining existing void - unknown</p> <p>Capacity of extension areas approximately 1.7 million tonnes.</p> <p>Existing quarry area subject of several old extant mineral permissions brought together under a single set of conditions through a ROMP (Review of old mineral permissions) in 1998 (ref 97/535) – 15-year postponement of review recently agreed.</p> <p>New extension areas approved in 2009 and consent renewed in 2012 (ref 2012/64) – to be implemented imminently.</p> <p>Note – a material recycling facility (MRF) also operates here (Colemans) and another has recently been approved (NRS Waste Care).</p>
Berkswell Quarry, Cornets End Lane, Meriden	<p>Owner – Trustees of the Berkswell Trust (The Berkswell Estate)</p> <p>Operator – CEMEX UK Materials Ltd</p> <p>Sand and gravel quarry – some existing voids remaining to be infilled and restored (ROMP review due in 2016), plus quarry extension area approved in 2007 (ref 2003/1480) now underway – 3.23 million tonnes over 15 years (permission for extraction ends in 2022 but waste deposit permitted</p>

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Location	Information
	until 2024).
Former Arden Brickworks Site, Coventry Road, Bickenhill	<p>Owner/operator – Eaglebeam Ltd (formerly McLean Estates)</p> <p>Former brickworks and clay extraction site. No active extraction or infilling for many years, but extant minerals consents (subject to ROMP review in 2014) brought together under ROMP unified set of conditions in 1997 (ref 97/416). Large existing void to be infilled, subject to discharge of conditions. Capacity is unknown.</p> <p>Note – a MRF operates here (Armac).</p>

5 Geological SSSI and local geological sites

5.1.1 This section presents the following data:

- citation data for geological SSSI;
- citation data for LGS, formerly called regionally important geological sites (RIGS); and
- any other relevant site data.

5.1.2 The remainder of this section presents this data for relevant sites , except there is no citation data for geological SSSI as there are no sites in the study area.

5.1.3 Citation data for the LGS is detailed in Table 26. This document is then included.

Table 26: Data sheet for the local geological site

Site	Name
Warwickshire Local Geological Site	Nursery Cottage Brickworks

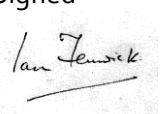
Warwickshire Geological Conservation Group (WGCG)

Warwickshire Local Geological Site		
Site No: 19	Nursery Cottage Brickworks	
Geological Formations	Mercia Mudstone Group (Triassic)	
Criteria Form		p 2
Description		p 3
Photographs		p 4
Location Map		p 5

Local Geological Sites (LGS), designated by locally developed criteria, are currently the most important places for geology and geomorphology outside statutorily protected land such as Sites of Special Scientific Interest (SSSI). The designation of LGS is one way of recognising and protecting important Earth science and landscape features for future generations to enjoy.

WGCG is responsible for the identification of LGS in Warwickshire and the West Midlands.

Please note that designation of a site as a LGS does not confer a legal right of access. Unless the site is on a designated public right-of-way, the landowner's permission is required before visiting.

Warwickshire Local Geological Site - Criteria Form			
Site name: Nursery Cottage Brickworks		Also known as: Jacksons (Warwickshire) REDESIGNATION WITH SOLIHULL IN PROCESS	
District: Solihull		County: West Midlands	
Grid reference: SP2055 8290		LGS Number: 19	ESCC class: ED
Brief Description: A large active brickworks that is 28m deep, situated on the south side of the A45 Coventry Road, just west of the Stonebridge Island. This site provides the best fresh exposures of the Triassic, Mercia Mudstone Group within the former Warwickshire county boundary.			
This site qualifies as a Local Geological Site for the following criteria:			
A Good Example of fresh exposures of the Triassic, Mercia Mudstone Group within the former Warwickshire county boundary.			
Educational Fieldwork			
1. Educational Potential	<input type="checkbox"/>	2. Physical access	<input type="checkbox"/>
		3. Safety	<input type="checkbox"/>
Scientific Study			
1. Diversity of interest	<input type="checkbox"/>	2. Rarity of interest	<input type="checkbox"/>
		3. Size of feature	<input type="checkbox"/>
4. Typicalness of feature	<input type="checkbox"/>	5. Geological/physiographic linkage to:	
Historical Value			
1. Celebrity link	<input type="checkbox"/>	2. Pioneering research	<input type="checkbox"/>
		3. Historical link	<input type="checkbox"/>
Aesthetic Value In The Landscape			
1. Local importance in the landscape	<input type="checkbox"/>	2. Promotion of Earth science	
		<input type="checkbox"/>	
Signed		Date first selected February 1992	
 I M Fenwick, Chairman, Warwickshire Geological Conservation Group		Reviewed by LGS panel Oct. 2009	
		Further survey required	
		LGS Confirmed <input type="checkbox"/>	
Endorsed by			
Warwickshire Museum Natural England			
In the event of any development or planning consultation relating to this site or its surrounds please inform: The LGS Officer WCGC, c/o Keeper of Geology, Warwickshire Museum, Market Place, Warwick CV34 4SA (tel: 01926-418182)			

WARWICKSHIRE GEOLOGICAL CONSERVATION GROUP LOCAL GEOLOGICAL SITE (LGS)

Site Nursery Cottage Brickworks	19	Arden Brickworks
Parish		Hampton-in-Arden
District		Solihull
County		Warwickshire
National Grid Reference		SP 2055 8290
Ordnance Survey Sheets 1:50000 1:10000		139 SP 28SW

Location

A large active brickworks that is 28m deep, situated on the south side of the A45 Coventry Road, just west of Stonebridge Island.

Summary of Interest

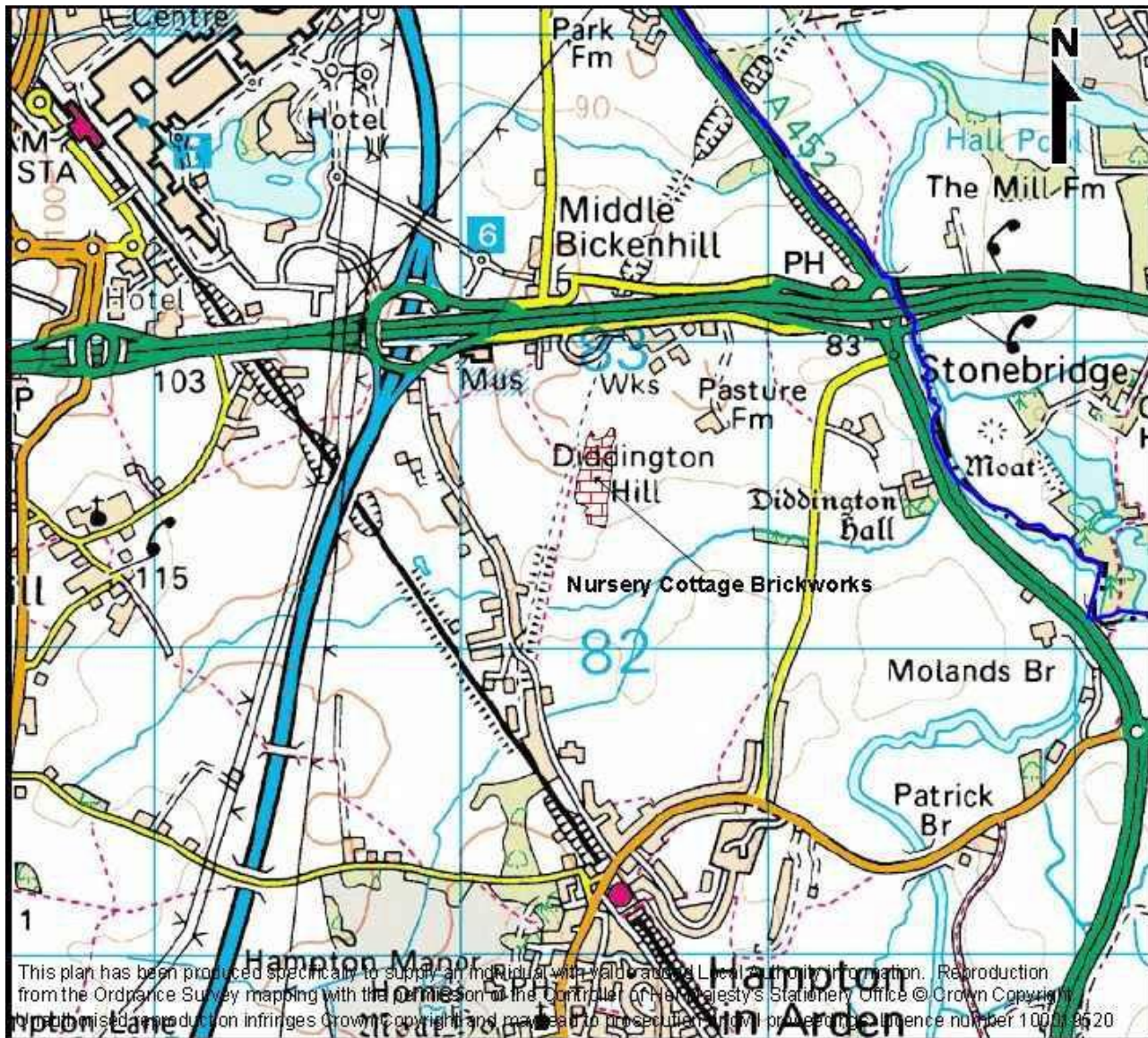
This site provides the best fresh exposures of the Triassic, Mercia Mudstone Group within the former Warwickshire county boundary.

The Mercia Mudstone Group is dominantly red, less commonly green-grey, mudstones and subordinate siltstones with thick halite-bearing units in some basinal areas. Thin beds of gypsum/anhydrite widespread; sandstones are also present. Formed approximately 206 to 248 million years ago, these rocks were formed in mainly hot dry environments where potential evaporation was greater than precipitation; often characterised by dunes, loess and evaporites.

The strata comprise irregularly bedded red clay and mudstone, interbedded with green mudstone and green sandstone skerry horizons. As this is an active site, visits would have to be pre-booked with the owners and would probably have to be at weekends when it is not working.

The site is of educational value from GCSE upwards.





6 Mining and minerals data

6.1.1 This section presents the following data relating to mining and minerals information:

- details of planning data for minerals sites;
- lists of marl pits in each study area; and
- data from The Coal Authority.

6.1.2 Table 27 details the planning data for minerals sites within this study area. These documents are appended to this report.

Table 27: Planning data received for minerals sites within the study area

Site	Document details	No. pages
Meriden Quarry	Location plan	1
Meriden Quarry	Revised phasing plan (Oct 2012)	1
Meriden Quarry	Discharge of planning conditions letter sent to SMBC	2

6.1.3 Table 28 provides details of the marl pits, historical sand and gravel pits (not operational or licensed) and infilled ponds located in or within 250m of this study area.

Table 28: Recorded pits and ponds located in or within 250m of the study area

Type	Location	Mapping on which feature is identified
Infilled pond	Immediately north of the dismantled Kenilworth to Balsall Common line on the route of the Proposed Scheme (Volume 5: Map LQ-01-050b, E6).	1st edition Ordnance Survey (OS) map
Infilled pond	Immediately north of the dismantled Kenilworth to Balsall Common line on the route of the Proposed Scheme (Volume 5: Map LQ-01-050b, E6).	1st edition OS map
Infilled pond	Immediately north of the dismantled Kenilworth to Balsall Common line on the route of the Proposed Scheme (Volume 5: Map LQ-01-050b, E6).	1st edition OS map
Infilled pond	To the north of the Proposed Scheme approximately 160m east of Beechwood Farm (Volume 5: Map LQ-01-050b, D6).	1st edition OS map
Infilled pond	To the north of the Proposed Scheme approximately 100m east of Beechwood Farm (Volume 5: Map LQ-01-050b, D5).	1st edition OS map
Infilled pond	To the north of the Proposed Scheme adjacent to Beechwood Farm (Volume 5: Map LQ-01-050b, D6).	1st edition OS map
Marl pit	Approximately 125m south of Beechwood Farm under the dismantled Kenilworth to Balsall Common line (Volume 5: Map LQ-01-050b, D6).	1st edition OS map
Infilled pond	North of Truggist Lane to the north-east of Truggist Hill Farm (Volume 5: Map LQ-01-050b, C5).	1st edition OS map

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Type	Location	Mapping on which feature is identified
Infilled marl pit	East of Lavender Hall Lane and adjacent to Bayleys Brook (Volume 5: Map LQ-01-051, H7).	1st edition OS map
Infilled marl pit	East of Lavender Hall Lane and adjacent to Bayleys Brook (Volume 5: Map LQ-01-051, H6).	1st edition OS map
Infilled pond	Adjacent to Lavender Hall lane (Volume 5: Map LQ-01-051, G6).	1st edition OS map
Infilled marl pit	Near Park Lane, which is located between Wootton Green and Berkswell (Volume 5: Map LQ-01-051, F7).	1st edition OS map
Infilled gravel pit	Near New Mercote Farm to the north of Bradnocks Marsh (Volume 5: Map LQ-01-051, C7).	1:10,000 geological map
Infilled sand and gravel pit	At Bradnocks Marsh adjacent to the A452 Kenilworth Road (Volume 5: Map LQ-01-051, B8 and C8).	1st edition OS map and 1:10,000 geological map
Infilled sand and gravel pit	Adjacent to the A452 Kenilworth Road to the east of B4102 Meriden Road (Volume 5: Map LQ-01-052, F7).	1st edition OS map
Backfilled mill pond	North of B4102 Meriden Road to the south-west of Meriden Mill Farm (Volume 5: Map LQ-01-052, E5).	1st edition OS map
Infilled marl pit	North-west of Diddington Hall on the other side of Diddington Lane (Volume 5: Map LQ-01-052, B6).	1st edition OS map

6.1.4 Table 29 provides details of information received from The Coal Authority that relates to the study area. These documents are appended to this report.

Table 29: Information received from The Coal Authority

Site	Document details	No. pages
Daw Mill Colliery	Letter received 17 May 2012	4
Daw Mill Colliery	Licence extension	2
Daw Mill Colliery	Plan of extension area and current licence area April 2012	1

7 References

Department for Environment, Food and Rural Affairs (DEFRA) and Environment Agency, (2002), *Potential Contaminants for the Assessment of Land*, Environment Agency.

Convention on Wetlands of International Importance especially as Waterfowl Habitat. Ramsar (Iran), February 1971. UN Treaty Series No. 14583. As amended by the Paris Protocol, 3 December 1982, and Regina Amendments, 28 May 1987.

Landfill Data Sheet



ENVIRONMENT
AGENCY

Reference	<input type="text" value="EAHLD31411"/>		REGIS No	<input type="text"/>
Site Address	<input type="text" value="Coventry Rd, Brownhill, Birmingham, West Midlands"/>		BCS No	<input type="text" value="2272"/>
NGR	<input type="text" value="420500"/>	<input type="text" value="282900"/>	WRC Ref	<input type="text"/>
Local Authority	<input type="text"/>		EA WMLR	<input type="text"/>
Site Reference	<input type="text"/>		First Input	<input type="text" value="31/12/1966"/>
			Last Input	<input type="text" value="31/03/1972"/>

Licenced	<input type="text"/>	Licence Holder Address	<input type="text"/>
Licence Holder	<input type="text"/>		
Licence issued	<input type="text"/>	Licence Surrendered	<input type="text"/>
Site Operator	<input type="text" value="C. Bryant and Son Limited"/>	Site Operator Address	<input type="text" value="Whitmore Road, Birmingham"/>

Inert	<input type="text"/>	Special	<input type="text"/>	Gas Control	<input type="text"/>
Industrial	<input type="text"/>	Liquid Sludge	<input type="text"/>	Leachate control	<input type="text"/>
Commercial	<input type="text"/>	Waste unknown	<input type="text"/>		
Household	<input type="text"/>	Exempt	<input type="text"/>		

Additional local Information ☐

It must be understood that the information provided above is based on records and files from various sources and of varying reliability. Consequently the Environment Agency is not able to offer any warranty as to the accuracy or completeness of the information provided, nor can it accept any liability whatsoever for any loss or damage arising from the interpretation and/or use of the information. A site inspection has not been carried out in relation to your request for information.



SCANNED

6/1/2005.

LICENCE NO. SL 355

Sheet 1 of 12

WEST MIDLANDS COUNTY COUNCIL

CONTROL OF POLLUTION ACT 1974

LICENCE TO DISPOSE OF WASTE

The County Council of West Midlands in pursuance of the powers conferred on them by the Control of Pollution Act 1974

hereby licence Packington Estate Enterprises Limited

of Packington Hall, Packington Park, Meriden, Coventry CV 7HF (hereinafter called the "licence holder")

to deposit controlled waste in accordance with conditions specified herein on land at Jacksons (Warwickshire) Brickworks Limited, Coventry Road, Bickenhill, Solihull West Midlands B92 0DZ, which is edged red on the drawing attached to the licence being land occupied by the licence holder

This licence is granted subject to the conditions set out in the schedule hereto

Dated this 3rd

day of August

19 82

M. T. Tach

County Waste Disposal Officer

The licence holder's attention is drawn to the notes overleaf



LICENCE NO. SL 355

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NOTES

These notes are for the general guidance of the licence holder and they do not constitute an authoritative statement of the law.

1. This licence only relates to the requirements in the Control of Pollution Act 1974 for the deposit of controlled waste or the use of plant or equipment subject to the conditions set out in the Schedule and does not constitute a consent required by any other legislation. In particular it is the responsibility of the licence holder to comply with any requirements of the Health and Safety at Work etc. Act 1974; the Radioactive Substances Act 1960, The Town and Country Planning Act, Water Protection and Environmental Health Legislation.
2. If the licence holder ceases to occupy the land specified above, then he may transfer the licence to the new occupier after giving notice to the County Waste Disposal Officer that he proposes to transfer the licence on a day specified in the notice. The County Council has the right to decline to accept the new licence holder.
3. If the licence holder wishes to cancel this licence, he must return it to the County Waste Disposal Officer together with a notice stating that he no longer requires the licence. Cancellation of the licence will not affect any outstanding liability of the licence holder under the conditions of the licence.

Contravention of Licence Conditions

Your attention is drawn to the provisions of Section 3, 9 and 16 of the Control of Pollution Act, 1974 appended hereto.

Section 3

Prohibits under penalty, the depositing of waste or the use of plant or equipment otherwise than in accordance with the terms of a licence. This Section applies to all the conditions contained herein, including any which may be the subject of appeal to the Secretary of State under Section 10 of the Act.

Any deposit which takes place without compliance with all the licence conditions is illegal and will lead to prosecution under this Section.



LICENCE NO. SL 355

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Section 9

Non compliance with any licence conditions may lead to the revocation of this licence.

Section 16

The licencing authority is empowered to require the removal of any controlled waste deposited in circumstances where any of the conditions contained in this licence are not being complied with.

Penalties under Section 3

A person who contravenes any of the above provisions subject to Sub-Section (4) shall be guilty of an offence and liable on summary conviction to a fine of an amount not exceeding £1,000 or on conviction on indictment to imprisonment for a term not exceeding five years or a fine or both.



LICENCE NO. SL 355

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Schedule of Conditions for Landfill Site at:- Jacksons (Warwickshire)
Brickworks Limited, Bickenhill, Solihull, West Midlands B92 ODZ.

1. No deposit of waste shall take place unless, at least one month before commencement of any work on the site, a working plan giving details of the proposed conduct of operations at the site has been submitted to the Waste Disposal Authority, and the Licence Holder shall notify the Waste Disposal Authority of any proposed changes in the actual conduct of operations from the proposals shown in the plan, as altered by any previously notified changes, at least one month before the proposed change is implemented.
2. The types of waste deposited daily at the site shall be household waste and industrial waste of similar character and dry inert innocuous materials (see also 2.9 below).

The daily quantities shall not exceed the following:-

- (i) 1600 tonnes of untreated household and commercial waste.
- (ii) 200 tonnes of baled household and commercial waste.
- (iii) 300 tonnes of incinerator residues.
- (iv) 3,000 tonnes of non-hazardous industrial wastes.
- (v) 500 tonnes of inert and non-flammable substances.
- (vi) 1,200 tonnes of cover material and non-hazardous hardcore from the construction industry. This waste shall not contain asbestos waste.
- (vii) 300 tonnes of mine and quarry waste.
- (viii) Quantities of waste asbestos (J10) by agreement with the Waste Disposal Authority and in compliance with the Asbestos Research Councils Recommended Code of Practice for the Handling and Disposal of Asbestos Waste Material.



LICENCE NO. SL 355

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(ix) Quantities and types of wastes which contain hazardous quantities or hazardous concentrations of any poisonous, noxious, or polluting substance, or which are subject to the requirements of regulations issued under Section 17 of the Control of Pollution Act 1974 as listed in paragraph 14 of the Waste Disposal Site Licence Application.

(x) 200 tonnes of pulverized fuel ash.

The disposal of animal carcasses and parts thereof shall not be permitted at the site.

The maximum daily input of all wastes shall not exceed 4,000 tonnes.

The average weekly input to the site (calculated on the basis of any four successive weeks input) shall not exceed 12,000 tonnes.

3. (i) No deposit of waste shall take place until the site access from the A45 Coventry Road has been modified in accordance with the requirements of the Waste Disposal Authority.
 - (ii) No deposit shall take place unless a road has first been provided within the site.
 - (iii) The road shall be constructed of tarmac, concrete or similar materials and shall run from the site entrance to the site control office.
 - (iv) The site road should either be of sufficient width to permit two-way vehicular traffic or be of a one-way type system to ensure the segregation of vehicles using the site from vehicles and equipment associated with the brickworks operations. The road shall be maintained to the reasonable satisfaction of the Waste Disposal Authority.
4. (i) No deposit shall take place until suitable wheel cleaning equipment has been installed at the site.



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- (ii) The licence holder shall ensure that the equipment is of a type which will enable the wheels of vehicles leaving the site to be cleaned so as to prevent deposits of mud, soil or other materials from those wheels from fouling highways in the vicinity of the site and shall ensure that at all times the equipment is used for that purpose and is kept in good working order. The equipment shall be installed on a hard surface constructed of tarmac, concrete or similar materials.
 - (iii) All drainage from site roads and the wheel washing equipment shall be contained within the site, or disposed of to the satisfaction of the Waste Disposal Authority.
5. (i) No deposit shall take place until a site control office, of a type and in a location approved by the Waste Disposal Authority has been provided.
- (ii) The site control office shall be positioned so that queuing does not occur on the highway although queuing will be permitted within the site.
 - (iii) The position of the office shall be indicated on the working plan.
6. No deposit shall take place until a site identification board of durable material and finish has been displayed at the site entrance, showing the hours when the site is open and giving the name of the site, the name address and telephone number of the operator and of the Waste Disposal Authority.
7. Tanks used for the storage of liquid shall be bunded and shall be of a type and construction suitable for the liquids they contain and shall be labelled to show their contents.
8. No deposit shall take place until water courses on the site have been diverted, culverted or otherwise protected to the reasonable satisfaction of the Waste Disposal Authority and any discharge shall be with the prior written agreement of the Regional Water Authority.



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9. No deposit shall take place until surface drainage water from surrounding higher land has been diverted from the site to the satisfaction of the Waste Disposal Authority.
10. (i) No deposit of waste shall take place until subsidiary site roads have been provided.
 - (ii) Such roads shall be constructed of stone, hardcore or similar material and shall be not less than four metres wide and constructed to within fifty metres of the working face.

NOTE: A suitable depth of stone would be 300mm preferably overlying a fabric stabilisation mat.

 - (iii) The roads shall be indicated on the working plan and constructed to the entrance of each working bay and shall be maintained to a reasonable standard.
11. (i) No disposal shall take place until measures have been taken near operational areas having regard to wind direction so as to ensure that paper and other materials are contained on the site.
 - (ii) Materials arrested shall be removed and disposed of as necessary to maintain the efficiency and tidiness of the site.
12. No deposit of waste shall take place until lockable gates and fencing have been provided to the reasonable satisfaction of the Waste Disposal Authority and all reasonable precautions shall be taken to prevent unauthorised access to the site.
13. (i) The site shall be adequately manned and supervised during working hours.



(ii) The hours of working shall not be more than:-

	<u>From</u>	<u>To</u>
Weekdays	07.00	18.00
Saturdays	07.00	13.00
Sundays and Bank Holidays		NIL
Total hours/week		61
except for NEC waste which will be accepted outside these hours		

- (iii) No working shall take place during the hours of darkness until lighting of a type approved by the Waste Disposal Authority has been installed.
- (iv) When satisfactory lighting has been installed, continuous 24 hour working will be permitted, provided that it is maintained to the satisfaction of the Waste Disposal Authority, and provided that the facility is used only for waste arising from the National Exhibition Centre.
- (v) Working shall be permitted on the site between the hours of sunrise and sunset where daylight extends beyond those hours indicated in 13(ii) without the installation of lighting equipment.
14. (i) Waste shall only be deposited in excavated areas of the site where the working and winning of minerals has been completed.
- (ii) Waste shall only be deposited in such areas when it has been demonstrated to the satisfaction of the Waste Disposal Authority that the geological and hydrogeological structures are suitable for such deposit.
15. Solid waste shall be compacted and formed into a layer as soon as possible after deposit and in any event not later than at the end of the day on which the waste is received.
16. The depth of a layer of waste shall not exceed 2.5 metres after initial compaction.



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17. The layer of waste shall be formed in one or other of the ways described in Condition 18 below using compaction equipment with a blade or other levelling device.
18. Waste shall either:-
 - (i) be deposited on the surface of the site behind the face and partially compacted by a tractor or other compacting machine before being pushed over the face, or
 - (ii) be deposited on the ground forming the base of the site or on a previous layer in front of the face and shall be formed into a compacted layer by being pushed upwards and driven over by the tractor or other compacting machine.
19. Before covering working faces and flanks shall be compacted to form gradients not steeper than 1 in 3.
20. Untreated putrescible waste shall, subject to the traction needs of vehicles operating at the working face, be covered progressively with suitable non-putrescible or stabilised material throughout the working period each day, so that by the end of the working day on which the waste was received, all exposed surfaces, including the flanks and faces of the operational layer, shall have been covered to a depth of not less than 150mm.
21. (i) All large articles such as furniture, crates and empty hollow containers likely to cause a void, shall be crushed, broken up or flattened, and buried by other wastes in such a position that they are not within one metre of the surface or two metres of the flanks or face of the operational layer.
 - (ii) Where a separate area is allocated for the disposal of such bulky waste, the waste shall be crushed, broken up or flattened and buried with other appropriate wastes.
22. Waste material shall not be deposited into water.



LICENCE NO. SL 355

Sheet 10 of 12

23. As required, but not less frequently than once a week, any loose waste which may be lying on the site shall be gathered and disposed of in such a way as to keep the site and surrounding area tidy.
24. (i) No waste material of any sort shall be burnt within the boundaries of the site and a fire at the site shall be regarded as an emergency and immediate action shall be taken to extinguish it.
(ii) All outbreaks of fire shall be notified forthwith to the Fire Service and the Waste Disposal Authority.
25. (i) All necessary precautions shall be taken to destroy and prevent the occurrence of any vermin and insects on the site.
(ii) An insect spraying schedule shall be instigated, when necessary, with particular regard to conditions which may promote the breeding of flying insects and a record shall be kept of such treatments. All pesticides, pesticidal products and, where appropriate, pest control techniques shall have been cleared for their intended use through the Pesticides Safety Precautions Scheme, viz DOE Circular 1976 dated 24th September 1976.
26. A record shall be kept of the types and quantities of the waste deposited and these shall be supplied to the Waste Disposal Authority on request but at a frequency not to exceed once per month.
27. The terms of the site licence shall be made known to every person who is given responsibility for the management or control of the site and a copy of this shall be displayed at the site control office,
28. Site roads shall, in dry weather, be sprayed with water to suppress dust.
29. Before any deposit of pulverised fuel ash takes place at the site, water sprays shall be provided to the reasonable satisfaction of the Waste Disposal Authority and these shall be used when necessary to maintain the waste in a damp condition and so control the emission of dust.



LICENCE NO. SL 355

Sheet 11 of 12

30. Proper provision shall be made for blanketing and binding the surface of completed deposits of pulverised fuel ash and a minimum layer of cover 75mm thick shall be used progressively for this purpose.
31. (i) Deposits of pulverised fuel ash shall be inspected at least once a week to ensure that proper procedures are being followed and that deposit is taking place as provided for in Conditions 29 and 30.
 - (ii) Records shall be kept of the inspections and shall be available for perusal by the Waste Disposal Authority,
32. Measures to the satisfaction of the Waste Disposal Authority shall be taken to prevent leachate passing from the site.
33. (i) Samples shall be taken from the five monitoring positions shown on the operational working plan at a frequency not less than three times per annum, at or about 4 monthly intervals, and subjected to the following analyses:-

electrical conductivity, pH, total suspended solids, chlorides, ammoniacal nitrogen, chemical oxygen demand, 4 hour permanganate value, total phenols, monohydric phenols, zinc, copper, nickel, lead, chromium and cadmium.

The frequency of sampling and scale of analysis may be increased by the Waste Disposal Authority in consultation with the Severn Trent Water Authority should there be a significant deterioration in the quality of the water samples.

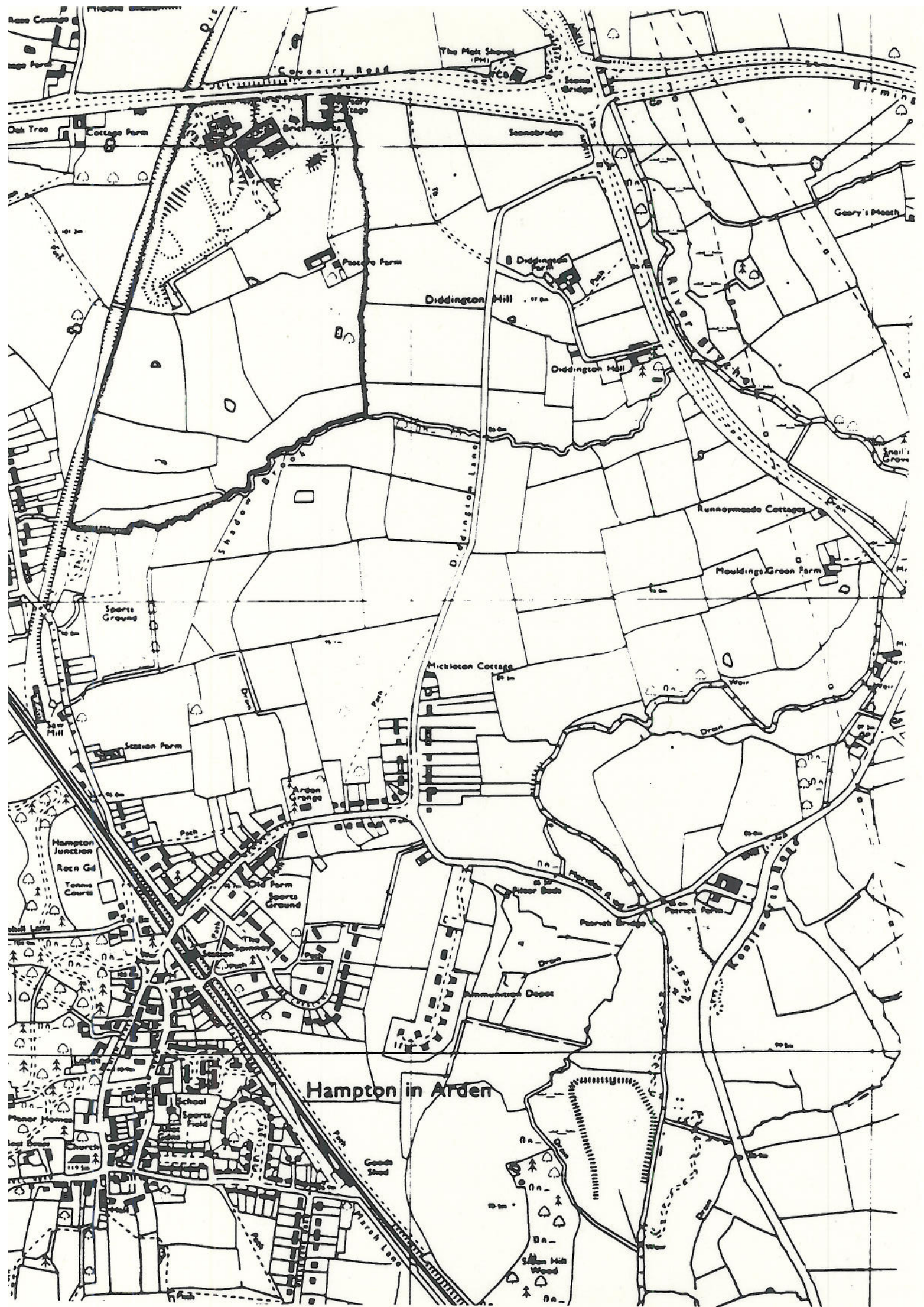
 - (ii) The cost of maintenance, sampling and analysis shall be borne by the licence holder.
 - (iii) The results of analysis shall be made available to the Waste Disposal Authority and the Severn Trent Water Authority on request.
34. Any temporary cessation of operations for a period in excess of three months shall be notified to the Waste Disposal Authority.



LICENCE NO. SL 355

Sheet 12 of 12

35. Not less than fourteen days notice shall be given to the Waste Disposal Authority of the date on which landfilling is to commence or recommence in the event of a temporary cessation for a period in excess of three months.
36. Until final restoration, completed areas of landfilling shall be graded and maintained in a tidy condition and, where necessary, action shall be taken to control or destroy weeds.
37. The site shall be restored in accordance with and to the levels specified in the Planning Permission No.3718 dated 5th March, 1952, and in the Planning Permission No.12431 dated 25th April, 1961.
38. On completion of the operations allowed by this licence all plant, machinery and other equipment connected with the disposal of waste shall be removed from the site.
39. Any footpath within or adjacent to the site which is liable to be affected by the operations at the site shall be protected to the reasonable satisfaction of the Waste Disposal Authority.





SCANNED

6/1/2005

CONTROL OF POLLUTION ACT 1974

Section 7

LICENCE NO. SL355

Sheet 1 of 3

Amendment No.1

Notice of Modification of Waste Disposal Licence Condition(s)

To: Packington Estate Enterprises Limited
Packington Hall
Packington Park
Meriden
Coventry CV7 7HF

WHEREAS on 3rd August 1982 THE WEST MIDLANDS COUNTY COUNCIL (hereinafter called "the Authority") granted you a Waste Disposal Licence relating to Jacksons (Warwickshire) Brickworks Limited, Coventry Road, Bickenhill, Solihull B92 0DZ subject to the conditions set out therein AND WHEREAS on 10th April 1984 you applied to the Authority to modify the said conditions.

NOTICE is HEREBY GIVEN that the Authority modifies the said conditions as follows:-

Delete condition 6 and add conditions 2(xi), 40, 41, 42, 43, 44, and 45 as specified below;

2(xi) 100 tonnes of scrap tyres for temporary storage prior to shredding.

40 Scrap tyres delivered to the site for temporary storage prior to shredding shall be deposited in an area reserved for such use, on a platform constructed of inert materials.



CONTROL OF POLLUTION ACT 1974

Section 7

LICENCE NO. SL355
Sheet 2 of 3
Amendment No.1

- 41 The quantity of scrap tyres stored at the site shall not exceed 7500 tonnes and they shall be retained at the site for no longer than six calendar months prior to shredding.
- 42 Scrap and shredded tyres shall be stored in stacks the dimensions of which shall not exceed the following:-
- i) 5 metres in height,
 - ii) the height of the quarry lip,
 - iii) 450 cubic metres in capacity,
 - iv) 20 metres in any horizontal direction,
 - v) 235 square metres in any horizontal section.
- 43 An unobstructed access at least 4 metres wide shall be provided and maintained around three sides of each stack or, if the stacks are not rectangular, around three quarters of their perimeter measured continuously.
- 44 Tyres shall not be deposited within the landfill operations at the site unless they have first been shredded.
- 45 No deposit shall be take place until a site identification board of durable material and finish has been displayed at the site entrance, showing the hours when the site is open and giving the name of the site, the name, address and telephone number of the operator and of the Waste Disposal Authority and telephone numbers for the relevant local emergency services.

Such modifications shall take effect on 1 October 1984 at 12.00 noon

DATED Tuesday 25

Day of September

1984

(Signed) *M. T. Zulu*
County Waste Disposal Officer

County Hall
1 Lancaster Circus
Queensway
Birmingham B4 7DJ



CONTROL OF POLLUTION ACT 1974

Section 7

**LICENCE NO. SL355
Sheet 3 of 3
Amendment No.1**

APPEALS

If a licence holder is aggrieved by the decision of the West Midlands County Council in modifying conditions specified in a disposal licence he may appeal to the Secretary of State in accordance with Section 10 of the Control of Pollution Act 1974. Appeals must be notified within 6 months of the date of this notice to the Secretary, Department of the Environment, Waste Disposal Division, Romney House, 43 Marsham Street, London, SW1P 3PY. The Secretary of State has power to allow a longer period for the giving of notice of an appeal but he will not normally be prepared to exercise this power unless there are special circumstances which excuse the delay in giving notice of an appeal.


OUTGOING-1


OTHER-2

CONTROL OF POLLUTION ACT 1974

Section 7

LICENCE NO SL 355
MODIFICATION NO.2
SHEET 1 OF 3

Notice of modification of Waste Disposal Licence conditions

To: B.F.I. Packington Ltd.,
Packington Hall,
Packington Park,
Meriden,
Coventry,
CV 7HF.

WHEREAS on 3rd August 1982 THE WEST MIDLANDS COUNTY COUNCIL granted a Waste Disposal Licence relating to land at Jacksons (Warwickshire) Brickworks Ltd., Coventry Road, Bickenhill, Solihull subject to the conditions set out therein, and subsequently amended it on 1st October 1984.

NOTICE is HEREBY GIVEN that Solihull Metropolitan Borough Council modifies the said conditions as follows:-
add conditions 46, 47, 48 and 49.

Such modifications shall take effect on

DATED this 5 JAN 1990

DAY OF 19

(Signed) 

Head of Environmental Health and
Trading Standards

LI5AAC

ADDITIONAL CONDITIONS FOR LANDFILL SITE AT:-
JACKSONS (WARWICKSHIRE) BRICKWORKS LTD. BICKENHILL

46. Within three months of the date of issue of this modification initial monitoring shall be carried out to establish the concentrations of landfill gas at the site and its immediate environs. The results of monitoring shall be forwarded in writing to the WDA as soon as possible and in any case within one week of the expiry of the above period.
47. The extent of continuing landfill gas monitoring during subsequent tipping operations shall depend, amongst other factors, upon the results of initial monitoring referred to in condition 46. If the WDA so requires within five months of the date of issue of this modification, a scheme for the monitoring and management of landfill gas shall be submitted to the WDA for written approval. The scheme shall give details of:-
- (a) the location and specification of monitoring boreholes at the site and its immediate environs;
 - (b) the frequency of monitoring;
 - (c) the tests to be carried out during monitoring;
 - (d) the knowledge and experience in gas monitoring of the persons to carry out and supervise the tests;
 - (e) the reporting of results of monitoring to the WDA;
 - (f) measures to be implemented to control the lateral migration and emission of such gases if deemed necessary by the WDA; and
 - (g) any factors likely to influence the monitoring or control of landfill gas.
48. If within six months of the date of issue of this modification a scheme which meets with the approval of the WDA has been required but not submitted, then all tipping shall cease. No further tipping shall take place until a scheme has been submitted to and approved in writing by the WDA.
49. In this licence "landfill gas" means gas having the characteristics of gas produced as a by-product from the digestion by anaerobic bacteria of biodegradable matter present in waste deposited at landfill sites.

Appeals

If a licence holder is aggrieved by the decision of the Authority in modifying conditions specified in a disposal licence he may appeal to the Secretary of State in accordance with Section 10 of the Control of Pollution Act 1974. Appeals must be notified within 6 months of the date of this notice to: The Department of the Environment, (NNW2), Room A2.22, Romney House, 43 Marsham Street, London, SW10 3PY. The Secretary of State has power to allow a longer period for the giving of notice of an appeal but he will not normally be prepared to exercise this power unless there are special circumstances which excuse the delay in giving notice of an appeal.

G

B F I Packington Limited
Packington Hall
Packington Park
Meriden
Coventry

NIGEL BASFORD B.Sc., M.I.E.H., M.I.H.
HEAD OF ENVIRONMENTAL HEALTH
AND TRADING STANDARDS

P.O.Box 24 Council House
Solihull West Midlands B91 3EG
Tel. 021-704 6000

Your ref.

Direct Line 021-704 6826

Our ref. *KMcB/ML*

Date 24 April 1990

Dear Sir

Jacksons (Warwickshire) Brickworks Limited, Bickenhill
Waste Disposal Licence No. S.L.355

I refer to the results of the survey of landfill gas concentrations carried out at the above site to meet the requirements of Condition 46 of the site licence.

Since landfilling has not yet commenced on this site, the Waste Disposal Authority do not require a scheme for monitoring and control of landfill gas to be submitted at this time. However, the Waste Disposal Authority do require you to submit a scheme for the monitoring and management of landfill gas to the Authority for written approval before landfilling is commenced on the site.

Should you wish to discuss this matter, please contact Mr McBride on the above number.

Yours faithfully

I C Keagle
Assistant Head of Environmental Health and Trading Standards

WEST MIDLANDS WASTE MANAGEMENT CO-ORDINATING AUTHORITY
HAZARDOUS WASTE UNIT

Name BFI BRICKWORKS.

File 644/144 SL: 355.

Address COVENTRY ROAD.
SOLIHULL.

Date 28/9/95. Time 0830-0840.

Weather cloudy

Tel. No.

Subject Inspection.

Officer/s Present BSW

Others Present Site Staff .

No extraction or deposits have taken place.
A bit of water in the base.

WEST MIDLANDS WASTE MANAGEMENT CO-ORDINATING AUTHORITY
HAZARDOUS WASTE UNIT

Name BFI BRICKWORKS

File 644/144 SL: 355

Address ARDEN BRICKWORKS,

Date 6/7/95

Time 0900

COUNTRY RD

Weather Sunny

SOLIHULL

Tel. No.

Subject Inspection

Officer/s Present BN

Others Present sto staff

No deposits or further transactions have
taken place.

WEST MIDLANDS WASTE MANAGEMENT CO-ORDINATING AUTHORITY
HAZARDOUS WASTE UNIT

Name BFI

File 644/144

SL 355,

Address ARDEN BRICKWORKS,
COVENTRY ROAD,
SOLIHULL.

Date 3/11/94

Time 1045-1100

Weather Damp.

Tel. No.


Subject inspection

Officer/s Present RSW

Others Present BFI supervisor.

Site not operational.

No more clay extraction.



WEST MIDLANDS HAZARDOUS WASTE UNIT
SITE REPORT - LANDFILL FACILITY

1. Name RSI 2. 644 / 144 3. SL / 355
 4. Address ARDEN BRICKWORKS, COVENTRY PA 5. District SOLIHULL
 6. Date 11/10/94 & Time 1620/1630 8. Weather Sunny
 9. Officer(s) RSW 10. Other(s) Kevin

	na	ni	1	2	3	4	5	Comments
11. Public Highway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12. Entrance / ID	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13. Primary Road	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14. Accommodation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15. Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16. Records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17. Weighbridge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18. Wheelcleaner	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
19. Licence / Working Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
20. Secondary Road	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
21. Manning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
22. Security	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
23. Lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24. Holding Areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
30. Bunds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
38. Drainage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
39. Leachate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
40. Base / Walls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
41. Landfill gas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
42. Machines and Equipment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

WASTE HANDLING

43. Compaction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
44. Height / width of face	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
45. Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
46. Cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

WASTE TYPES

47. Difficult	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
48. Biodegradeable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
49. Others	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ENVIRONMENTAL IMPACT

50. Mud	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
51. Dust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
52. odours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
54. Litter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
55. Pests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
56. Vermin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
57. Fires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
58. Noise	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
59. Weeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
60. Birds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
61. Hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
62. Tidiness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
63. Restored areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

64. No. Samples _____ 65. No Photographs _____

66. Action Required Date ___/___/___

Additional Comments Overleaf:

Site Not active -
even when...

Some extraction has

**WEST MIDLANDS HAZARDOUS WASTE UNIT
SITE REPORT - LANDFILL FACILITY**

1. Name BFI Arden Brickworks 2. 644 / 144 3. SL / 355
 4. Address Conerby Rd., Bitterhill 5. District Solihull
 6. Date 27/09/94 & Time 120:1130 8. Weather Dry, clear, cool, mild breeze
 9. Officer(s) J. Woodhull 10. Other(s) Kevin (BFI Packington)

	na	ni	1	2	3	4	5	Comments
11. Public Highway	<input type="checkbox"/>	<input type="checkbox"/>						
12. Entrance / ID	<input type="checkbox"/>	<input type="checkbox"/>						Entrance bdy. No ID.
13. Primary Road	<input type="checkbox"/>	<input type="checkbox"/>						
14. Accomodation	<input type="checkbox"/>	<input type="checkbox"/>						
15. Utilities	<input type="checkbox"/>	<input type="checkbox"/>						
16. Records	<input type="checkbox"/>	<input type="checkbox"/>						
17. Weighbridge	<input type="checkbox"/>	<input type="checkbox"/>						
18. Wheelcleaner	<input type="checkbox"/>	<input type="checkbox"/>						
19. Licence / Working Plan	<input type="checkbox"/>	<input type="checkbox"/>						licence ok - No W.P.
20. Secondary Road	<input type="checkbox"/>	<input type="checkbox"/>						
21. Manning	<input type="checkbox"/>	<input type="checkbox"/>						
22. Security	<input type="checkbox"/>	<input type="checkbox"/>						Provided by Jones's Staff & men spraying clay extraction.
23. Lighting	<input type="checkbox"/>	<input type="checkbox"/>						
24. Holding Areas	<input type="checkbox"/>	<input type="checkbox"/>						
30. Bunds	<input type="checkbox"/>	<input type="checkbox"/>						
38. Drainage	<input type="checkbox"/>	<input type="checkbox"/>						base of quarry being pumped.
39. Leachate	<input type="checkbox"/>	<input type="checkbox"/>						N/D
40. Base / Walls	<input type="checkbox"/>	<input type="checkbox"/>						ok/No slippages.
41. Landfill gas	<input type="checkbox"/>	<input type="checkbox"/>						"
42. Machines and Equipment	<input type="checkbox"/>	<input type="checkbox"/>						clay excavating machinery.
WASTE HANDLING								
43. Compaction	<input type="checkbox"/>	<input type="checkbox"/>						
44. Height / width of face	<input type="checkbox"/>	<input type="checkbox"/>						
45. Grading	<input type="checkbox"/>	<input type="checkbox"/>						
46. Cover	<input type="checkbox"/>	<input type="checkbox"/>						
WASTE TYPES								
47. Difficult	<input type="checkbox"/>	<input type="checkbox"/>						
48. Biodegradeable	<input type="checkbox"/>	<input type="checkbox"/>						
49. Others	<input type="checkbox"/>	<input type="checkbox"/>						No waste tipped.
ENVIRONMENTAL IMPACT								
50. Mud	<input type="checkbox"/>	<input type="checkbox"/>						
51. Dust	<input type="checkbox"/>	<input type="checkbox"/>						
52. odours	<input type="checkbox"/>	<input type="checkbox"/>						
54. Litter	<input type="checkbox"/>	<input type="checkbox"/>						
55. Pests	<input type="checkbox"/>	<input type="checkbox"/>						
56. Vermin	<input type="checkbox"/>	<input type="checkbox"/>						
57. Fires	<input type="checkbox"/>	<input type="checkbox"/>						
58. Noise	<input type="checkbox"/>	<input type="checkbox"/>						
59. Weeds	<input type="checkbox"/>	<input type="checkbox"/>						
60. Birds	<input type="checkbox"/>	<input type="checkbox"/>						
61. Hours	<input type="checkbox"/>	<input type="checkbox"/>						
62. Tidiness	<input type="checkbox"/>	<input type="checkbox"/>						
63. Restored areas	<input type="checkbox"/>	<input type="checkbox"/>						

64. No. Samples _____

65. No Photographs _____

66. Action Required Date ____/____/____

J.W.

Additional Comments Overleaf:



BFI PACKINGTON LIMITED

Packington Hall, Packington Park,
Meriden, Coventry, CV7 7HF.

Tel: Meriden (0676) 22155 Fax: Meriden (0676) 22313

SOLIHULL DISTRICT COUNCIL ENVIRONMENTAL HEALTH & TRADING STANDARDS	
1-MAY 1990	
REF. TO FILED	ICR ST/16

307 → BFI

BFIP/30/4

30th April 1990

Mr. N. Basford,
Head of Environmental Health & Trading Standards,
Solihull Metropolitan Borough Council,
P.O. Box 24,
Council House,
Solihull,
West Midlands, B91 3EG.

For the attention of Mr. I.C. Keagle,
Assistant Head of Environmental Health & Trading Standards.

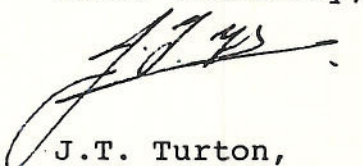
Dear Mr. Basford,
ARDEN BRICKWORKS LIMITED, BICKENHILL
WASTE DISPOSAL LICENCE NO. SL355

Many thanks for your letter of 24th April 1990 which related to the Landfill Gas Survey that we had carried out at our Arden Brickworks Site.

I am aware that the new condition 46 of our Site Licence requires the preparation of a Landfill Gas Monitoring and Control Scheme prior to tipping. It is most likely that we will not be carrying out the tipping of putrisable material for some many years to come. As you are probably aware we are actively tipping at our Litte Packington Landfill which is approximately two miles away from The Brickworks. Our intention is to complete operations at Packington before moving to The Brickworks. This will probably take us approximately 15 years plus into the future. We will however make sure that we submit a suitable Landfill Gas Scheme prior to tipping, whenever that may be.

If you wish to discuss the above, I am always available.

Yours sincerely,


J.T. Turton,
GENERAL MANAGER.



ENVIRONMENTAL PROTECTION ACT 1990

SECTION 37(1)a



INTERNAL-1

**WASTE MANAGEMENT LICENCE
NOTICE OF MODIFICATION**



OTHER-2

LICENCE REF NO :- SL 355 MOD NO 4	FACILITY TYPE :- LANDFILL
LICENCE HOLDER :- BFI Packington Ltd Packington Hall Packington Park Meriden Coventry	LICENSED FACILITY :- Jacksons (Warwickshire) Brickworks Ltd Coventry Road Bickenhill Solihull

WHEREAS on the 3rd August 1982 West Midlands County Council issued a Disposal Licence in pursuance of their powers under Part 1 of the Control of Pollution Act 1974 for the above named facility.

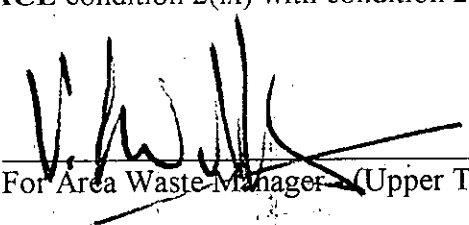
AND WHEREAS on the 1st May 1994 the said licence fell to be treated as a Waste Management Licence,

AND WHEREAS on 1st October 1984, 5th January 1990 and 5th February 1996 the said licence was modified,

AND WHEREAS on the 1st April 1996 the powers and duties of all waste regulation authorities in England and Wales transferred to the Agency by virtue of Section 2 of the Environment Act 1995,

NOTICE IS HEREBY GIVEN that the Agency modifies the following conditions of the said licence :-

REPLACE condition 2(ix) with condition 2(xii) as attached to this notice.

Signed 
For Area Waste Manager (Upper Trent)

Name V. Wilkinson

Date 27 June 97

Such modification to take effect on 30 June 97 at 1200 hrs.

YOUR ATTENTION IS DRAWN TO THE RIGHTS OF APPEAL ATTACHED TO THIS NOTICE



2. (xii) Quantities and types of wastes which contain hazardous quantities or hazardous concentrations of any poisonous, noxious or polluting substance, or which are subject to the Regulations in force under Section 62 of the Environmental Protection Act 1990 as listed in paragraph 14 of the Waste Disposal Site Licence Application.

RIGHTS OF APPEAL

Section 43(1) of the Environmental Protection Act 1990 provides that :

Where except in pursuance of a direction given by the Secretary of State,

- (a) an application for a modification of the conditions to the licence is rejected
- (b) the conditions to a licence are modified

the applicant may appeal from the decision to the Secretary of State

Therefore if you feel aggrieved by the decision detailed on the attached notice you may obtain the appropriate form on which to give written notice of an appeal from:-

The Planning Inspectorate,
Room 10/13,
Tollgate House,
Bristol,
BS2 9DJ

TEL 0117 987 8812
FAX 0117 987 8406

This notice of appeal should be accompanied by the following information: a copy of the licence; a copy of any correspondence relevant to the appeal; a copy of any other document relevant to the appeal including, in particular, any relevant consent, determination, notice, planning permission, established use certificate or certificate of lawful use or development; and a statement indicating whether you wish the appeal to be in the form of a hearing or on the basis of written representations. You are also required to serve a copy of your notice of appeal, on the Environment Agency (at the address shown on the notice). You should appeal within 6 months of the date that this notice takes effect but the Secretary of State may allow notice of appeal to be given after the expiry of this time period.

You should note that whilst an appeal is pending the decision detailed on the attached notice is ineffective, except where a statement is included saying that in the opinion of the Agency the details on the notice are necessary for the purpose of preventing, or where not practicable, minimising pollution of the environment, or harm to human health.



**ENVIRONMENTAL PROTECTION ACT 1990
SECTION 37 (1) (b)**

**WASTE MANAGEMENT LICENCE
NOTICE OF MODIFICATION**

LICENCE REF NO :- SL 355 Mod No 5	FACILITY TYPE :- Landfill Site
LICENCE HOLDER :- S.I.T.A. Packington Limited The Pickeridge Stoke Common Road Fulmer Buckinghamshire SL3 6HA	LICENSED FACILITY :- Land at Jacksons (Warwickshire) Brickworks Ltd Coventry Road Bickenhill Solihull

WHEREAS on the 3 August 1982 the West Midlands County Council issued a Disposal Licence in pursuance of their powers under Part 1 of the Control of Pollution Act 1974 for the above named facility.

AND WHEREAS on the 1 May 1994 the said licence fell to be treated as a waste management licence

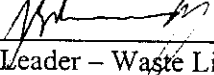
AND WHEREAS on the 1 October 1984, 5 January 1990, 5 February 1996 and on the 30 June 1997 the said licence was modified,

AND WHEREAS on the 1 April 1996 the powers and duties of all waste regulation authorities in England and Wales transferred to the Agency by virtue of section 2 of the Environment Act 1995.

AND WHEREAS on 31 March 2000 you applied to modify the licence.

NOTICE IS HEREBY GIVEN that the Agency modifies the following conditions of the said licence as follows :-

Delete conditions 2, 20, 21, 29, 30, 31 40, 41, 42, 43 and 44, and **Add** condition 52 as specified in the attached Notice.

Signed 
Team Leader - Waste Licensing

Name Ian Brindley

Date 31 JULY 2000

Such modification to take effect on 31 March 2000 at 12:00 hrs.

**YOUR ATTENTION IS DRAWN TO THE RIGHTS OF APPEAL ATTACHED TO THIS
NOTICE**



Condition 52: Permitted wastes

52.1 Permitted categories and types of wastes

No wastes other than those which are both categorised below in Table 1 and specified in detail in Appendix A to these conditions shall be accepted at the site.

52.2 Permitted quantities of wastes

The quantities of wastes accepted shall not exceed those listed in Table 1 and specified in detail in Appendix A to these conditions.

Table 1. Permitted quantities of waste		
Permitted Categories	Waste	Maximum Permitted Quantities (tonnes/year)
Inert wastes		74,999 tonnes/year
Metal wastes		Not Permitted
Special Wastes		Not Permitted
Degradable Household Wastes		Not Permitted
Degradable Commercial Wastes		
Degradable Industrial Wastes		
Other wastes:		Not Permitted

52.3 Exclusion of wastes with other specified characteristics

Notwithstanding the specification of permitted waste types under conditions 52.1 and 52.2 above, wastes shall not be accepted at the site which have any of the following characteristics:

Table 1.1 Excluded wastes of specified form and type	
Waste Characteristic	Type
Form and Type:	Powders Sludges Liquids Wet wastes
Properties:	Odour producing Likely to be odour producing
Form of containers and degree of mixing within containers:	Packaged wastes - unmixed Packaged wastes – mixed

APPENDIX A**WASTE TYPES**

21.00.00	INERT		
21.01.00	Naturally occurring rocks and sub-soils		
21.01.01	Rock and stone	Including sand, gravel, sandstone, limestone, crushed stone, china clay sand. Clean building or demolition stone such as sandstone, limestone or slate.	Excluding mining wastes, contaminated materials
21.01.02	Sub-soils	Including clays	Excluding organic soils such as topsoil or peat, contaminated materials
21.02.00	Ceramic and/or cemented materials		
21.02.01	Glass	Including fritted enamel	Excluding glass fibre, glass reinforced plastic
21.02.02	Ceramics	Including bricks, tiles, clayware, pottery, china, bricks and mortar	Excluding bricks with plaster
21.02.03	Concrete and/or mortar	Including concrete, reinforced concrete, concrete blocks, breeze blocks, thermalite blocks	Excluding unused cement, blocks with plaster
21.03.00	Processed/prepared mineral materials which have not been used or contaminated		
21.03.01	Moulding sands and/or clays		Excluding sands containing organic binders
21.03.02	Clay absorbents	Including fuller's earth, bentonite	
21.03.03	Other mineral absorbents		Excluding sawdust, plastic
21.03.04	Man-made mineral fibres	Including glass fibre	Excluding glass reinforced plastic, asbestos
21.03.05	Silica		
21.03.06	Mica		
21.03.07	Abrasives		

Waste Management Licence No. SL 355
Modification No 5
Sheet 4 of 6

EXCLUSIONS

Notwithstanding Condition 52, wastes exceeding the ranges of permitted contamination in the attached table shall not be permitted.

RANGES OF PERMITTED CONTAMINATION

Total Concentrations

Determinand	*Leachate Quality Threshold (ug/l unless stated)	Upper Threshold Concentration (mg/Kg air -dried sample)
pH	5.5 - 9.5	5 - 9
Toluene Extract	-	10,000*
Cyclohexane Extract	-	5,000*
Conductivity	1000 us/cm	-
COD	30 mg/l	-
Ammonia	0.5 mg/l	-
Arsenic	10	40
Cadmium	1	15
Chromium (total)	50	1,000
Lead (total)	50	2,000
Mercury	1	20
Selenium	10	6
Boron	2,000	-
Copper	20	-
Nickel	50	-
Zinc	500	-
Cyanide (Complex)	-	250
Cyanide (free)	50	25
Sulphate (SO ₄)	150 mg/l	2,000
Sulphide	150 mg/l	250
Sulphur (free)	150 mg/l	5,000
Phenol	0.5	5
Iron	100	-
Chloride	200 mg/l	-
Polycyclic Aromatic Hydrocarbons	0.2	1000

NB

From the above list, wastes to be landfilled shall not exceed the leachate quality threshold and the upper threshold concentration as defined above.

Determined by the application of the National Rivers Authority interim guidance, Research and Development Note 301 entitled "Leaching Tests for the Assessment of Contaminated Land".

* Subject to the provisions of the Regulations in force under Section 62 of the Environmental Protection Act 1990.

RIGHTS OF APPEAL

Section 43(1) of the Environmental Protection Act 1990 provides that:

Where except in pursuance of a direction given by the Secretary of State,

- (a) an application for a modification of the conditions to the licence is rejected
- (b) the conditions to a licence are modified

the applicant may appeal from the decision to the Secretary of State

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BS2 9DJ

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You should note that whilst an appeal is pending the decision detailed on the attached notice is ineffective, except where a statement is included saying that in the opinion of the Agency the details on the notice are necessary for the purpose of preventing, or where not practicable, minimising pollution of the environment, or harm to human health.



**ENVIRONMENT
AGENCY**

ENVIRONMENTAL PROTECTION ACT 1990

SECTION 39

CERTIFICATE OF COMPLETION

This Certificate of Completion is issued in respect of Waste Management Licence reference number SL355 dated 3rd August 1982 for land at Jackson Brickworks, Bickenhill, Solihull in accordance with section 39(9) of the Environmental Protection Act 1990, the Environment Agency being satisfied that the condition of the land, so far as that condition is the result of the use of the land for the treatment, keeping or disposal of waste (whether or not in pursuance of the licence) is unlikely to cause pollution of the environment or harm to human health in pursuance of section 39(6) of the Environmental Protection Act 1990.

This Certificate of Completion is not to be understood as a warranty, guarantee or assurance by the Environment Agency that the site is fit for any particular use.

Waste Management Licence reference number SL355 dated 3rd August 1982 shall cease to have effect from the date of issue of this Certificate.

Date 31 MAY 2005

Signed

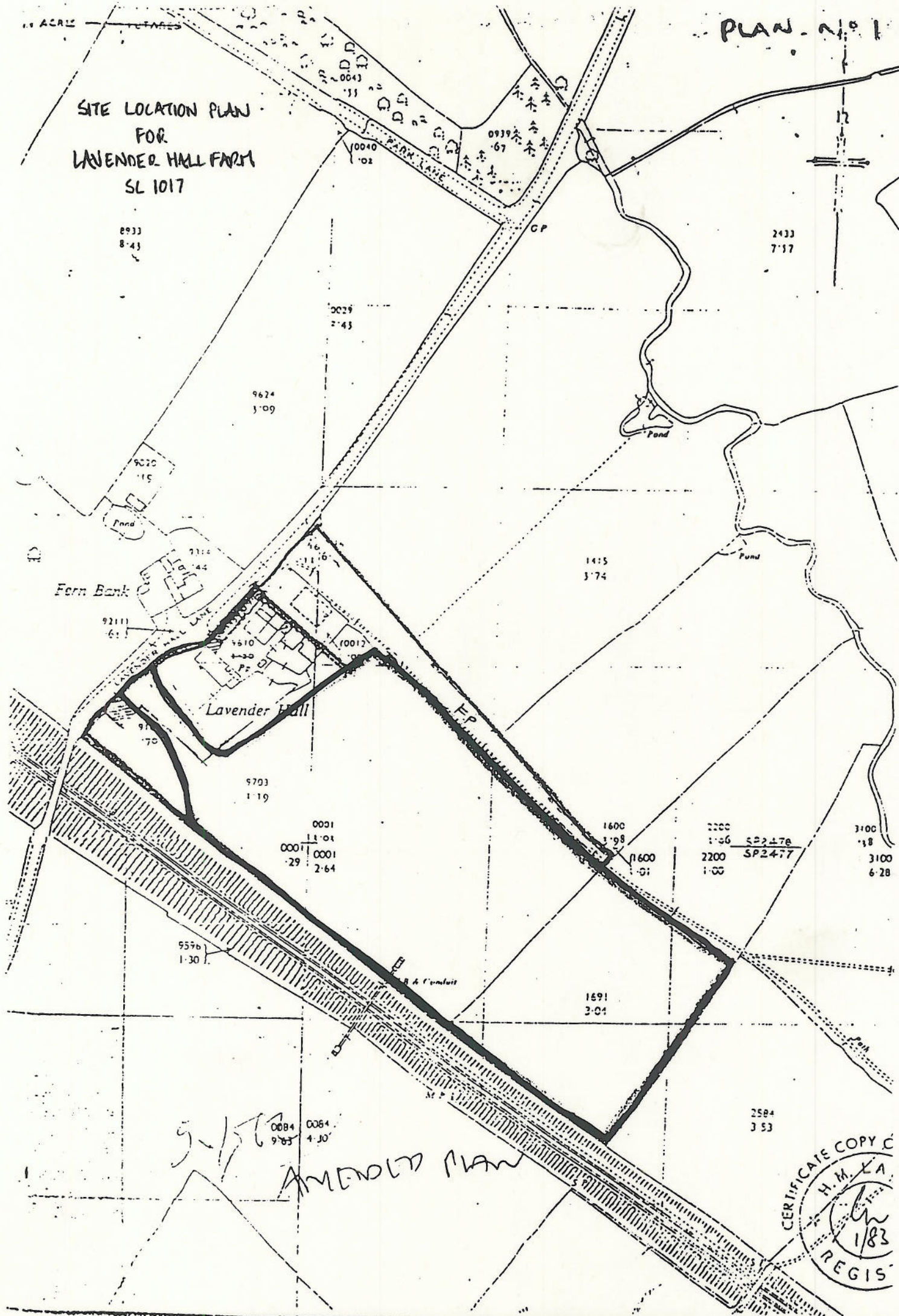
Ian Brindley

Team Leader - Regulatory Waste

The Environment Agency
Sentinel House
Wellington Crescent
Fradley Park
Lichfield
WS13 8RR

PLAN. No 1

SITE LOCATION PLAN
FOR
LAVENDER HALL FARM
SL 1017



6

Mr. J. W. Weaver.
Lavender Hall Farm
Lavender Hall Lane
Berkswell
Nr. Coventry

704 6826

KMcB

27 September 1994

Dear Mr. Weaver,
Waste Management Licence No. 1017
Lavender Hall Farm. Lavender Hall Lane Berkswell.

I enclose a variation to the above licence which deletes condition 41 from the original. This condition imposed a date by which tipping operations had to cease and co-incided with the date on the original planning permission. Since the planning permission has been extended to permit proper restoration of the land it is thought appropriate to delete this condition from the Licence.

Should you wish to discuss this further, please contact Mr. McBride on the above number.

Yours sincerely,

U

Assistant Director of Environmental Health and Trading Standards

ENVIRONMENTAL HEALTH AND TRADING STANDARDS DEPARTMENT

REPORT TO DIRECTOR OF ENVIRONMENTAL HEALTH AND TRADING STANDARDS

Environmental Protection Act 1990
Waste Management Licence SL 1017; Lavender Hall Farm Berkswell.

The Control of Pollution Act site licence for the above landfill site contained a condition which required tipping operations to cease when the planning permission expired. This licence converted to a Waste Management Licence on 1 May 1994 and contains the same condition, such conditions are not usual on Waste Management Licences. The site operator has had the planning permission extended because insufficient material had been received to complete the site in the original period. In the circumstances it would seem appropriate to permit tipping to continue so that the site can be properly restored. To permit this the date in the Licence could be altered but it is possible that planning permission may be extended again if filling is not completed, and this would mean varying the Licence again. Rather than vary the Licence again in the future the condition setting the date for tipping to cease could be deleted and this would seem the administratively simpler course of action.

Recommendation


The attached modification for Waste Management Licence SL 1017 should be issued.

K. McBride.
13.9.94



REFERRED TO	INITIALS	DATE
PLANNING	JMS	13/9/94
ADGHS	one	14/9/94
DEHTS		

METROPOLITAN BOROUGH OF SOLIHULL
 ENVIRONMENTAL HEALTH AND TRADING STANDARDS DEPARTMENT
DECISION OF DIRECTOR OF ENVIRONMENTAL HEALTH AND TRADING STANDARDS

AUTHORITY	Standing Orders.				
SUBJECT	EPA 1990. Waste Management Licence SL 1017, Kewdale Hall Farm, Barksdale.				
DECISION	Model's Waste Management Licence.				
SIGNED	 Director of Environmental Health and Trading Standards				
DATE	15/09/94	DIVISION	EP	REFERENCE	Kmcb.

TYPESET AND PRINTED BY SOLPRINT SMBC

Oct.91 EH.9a

Mr. J. W. Weaver.
Lavender Hall Farm
Lavender Hall Lane
Berkswell
Nr. Coventry

704 6826

KMcB
~

27 September 1994

Dear Mr. Weaver,
Waste Management Licence No. 1017
Lavender Hall Farm. Lavender Hall Lane Berkswell.

I enclose a variation to the above licence which deletes condition 41 from the original. This condition imposed a date by which tipping operations had to cease and co-incided with the date on the original planning permission. Since the planning permission has been extended to permit proper restoration of the land it is thought appropriate to delete this condition from the Licence.

Should you wish to discuss this further, please contact Mr. McBride on the above number.

Yours sincerely,

SM

Assistant Director of Environmental Health and Trading Standards

Waste Management Licence No. SL 1017
Modification No. 1
Sheet 1 of 2

Waste Management Licence No. SL 1017
Modification No. 1
Sheet 1 of 2

Environmental Protection Act 1990
Section 37

SOLIHULL METROPOLITAN BOROUGH COUNCIL

Notice of Modification of Waste Management Licence Conditions

To: John William Weaver,
Lavender Hall Farm,
Berkswell,
near Coventry,
West Midlands.


WHEREAS on 23rd December 1991 Solihull Metropolitan Borough Council granted a disposal licence relating to a landfill site on land at Lavender Hall Farm, Berkswell, near Coventry, West Midlands subject to the conditions set out therein.

NOTICE IS HEREBY GIVEN that Solihull Metropolitan Borough Council modifies the said conditions as follows :-

Delete condition 41 from schedule A.

Such modifications shall take place on **27 September 1994** at **12.00 hrs**

Dated this **27** day of **September** 1994


Signed
Director of Environmental Health and Trading Standards.

Mr J W Weaver
Lavender Hall Farm
Lavender Hall Lane
Berkswell
Nr. Coventry

704 6826

KMCB

30 December 1991

Dear Mr Weaver
Control of Pollution Act 1974
Disposal Licence No. SL1017. Lavender Hall Farm Berkswell

I refer to the above mentioned Disposal Licence, and in particular conditions 1(a) & 1(b) of schedule A attached to it.

These conditions require the approval of the Working Plan for the site by the W D A before operations commence. I would advise you that this Council, acting as the Waste Disposal Authority, hereby approves as the Working Plan, the statement of methods of operation and accompanying drawings entitled "Operational Working Plan for Mid City Landfill, Lavender Hall " dated 7th October 1991.

Should you wish to discuss this matter please contact Mr McBride on the above number.

Yours sincerely,

✓

Assistant Director of Environmental Health and Trading Standards

DISPOSAL LICENCE

SW/jdj(2)/sl-no 1017

NOTES

These notes are for general guidance only and they do not constitute an authoritative statement of the law.

This licence permits the deposit of certain wastes under controlled landfill conditions and is not intended to permit the sorting, storing, transfer or treatment of any wastes except to the extent expressly referred to in the Schedules.

Definitions of certain words used are to be found in Schedule B of this licence.

This licence relates only to the requirements of the Control of Pollution Act 1974 for the deposit of waste and the use of plant or equipment subject to the conditions set out in the Schedules and does not constitute a consent required by any other legislation. In particular it is the responsibility of the licence holder to comply with any requirements of the Health and Safety at Work etc Act 1974, the Radioactive Substances Act 1960, the Town and Country Planning Acts, and all relevant water protection and environmental health legislation.

Particular attention is drawn to the problems associated with landfill gas, and the licence holder is strongly advised to familiarise himself with the contents of Waste Management Papers Numbers 26 and 27 and to review control measures in the light of evolving technology and procedures.

If the licence holder ceases to occupy the land specified above, then he may transfer the licence to the new occupier after giving notice to the Waste Disposal Authority who has the right to decline to accept the new licence holder.

If the licence holder wishes to cancel this licence, he must return it to the Waste Disposal Authority together with a notice stating he no longer requires the licence. Cancellation of the licence will not affect any outstanding liability of the licence holder under the conditions of the licence.

Contravention of Licence Conditions

Your attention is drawn to the provisions of Sections 3, 9 and 16 of the Control of Pollution Act 1974.

Section 3

Prohibits under penalty the deposit of waste, or the use of plant or equipment, otherwise than in accordance with the terms of a licence. This section applies to all the conditions contained herein, including any which may be the subject of appeal to the Secretary of State under Section 10 of the Act.

Any deposit which takes place without compliance with all the licence conditions may lead to prosecution under this Section. A person who contravenes Section 3 subsection (1) shall, subject to subsection (4), be guilty of an offence and liable on summary conviction to a fine of an amount not exceeding \$2,000 (at the date of issue of this licence), or on conviction on indictment to imprisonment for a term not exceeding two years or a fine or both.

Section 9

Non compliance with any licence conditions may lead to the revocation of this licence.

Section 16

The licensing authority is empowered to require the removal of any controlled waste deposited in circumstances where any of the conditions contained in this licence are not being complied with, or the undertaking of such works as are required to reduce or eliminate the consequences of such deposits.

Conditions for a Landfill Site at:

Lavender Hall Farm,
Berkswell,
Near Coventry,
West Midlands.

Licence Holder:

John William Weaver,
Lavender Hall Farm,
Berkswell,
Near Coventry,
West Midlands.

Disposal Licence No:

SL 1017

SCHEDULE A

- 1(a) The statement of intended methods of operation and accompanying drawings entitled "Operational Working Plan for Mid City Landfill, Lavender Hall" dated 7th October 1991, submitted as part of the application for this licence, shall be referred to as the working plan.
- (b) No operations shall take place at the facility unless the working plan has been approved in writing by the Waste Disposal Authority ('the WDA').
- (c) Any proposed change in the working plan shall be notified in writing to the WDA and shall not be implemented until such change has been approved in writing by the WDA.
- (d) Any reference in this licence to the working plan shall include a reference to any change to the statement or drawings which have been previously approved in writing by the WDA.
- (e) Subject to the terms of this licence, the site shall be operated in accordance with the working plan.
2. Wastes accepted at the site shall consist only of bricks, mortar, concrete, sub-soil, top-soil, clay, slate, sand, glass, stone and weathered road planings. These wastes shall not contain any hazardous quantity or concentration of any noxious, poisonous or polluting substance. Biodegradable waste and plaster and plasterboard shall not be accepted or deposited at the site.
3. The quantity of waste accepted daily at the site on Mondays to Fridays shall not exceed 800 cubic metres, and on Saturdays shall not exceed 200 cubic metres.
4. No waste liquids or sludges shall be imported onto or deposited at the site.

5. The deposit of waste and other operations shall take place only on Mondays to Fridays between the hours of 0800 and 1800 and on Saturdays between 0800 and 1300. Except in circumstances of emergency, no deposit of waste or any other operations shall take place outside these hours, or on Sundays, Good Friday, Christmas Day, Bank Holidays or other public holidays. All circumstances of emergency shall be reported forthwith to the WDA and confirmed in writing within 3 working days.
6. Notwithstanding Condition 5 no deposit of waste or other operations shall be carried out during the hours of darkness as defined by the statutory lighting-up times published by the Science Engineering Research Council.
7. Existing gates and fencing, as detailed in the working plan, shall be maintained in good order throughout the period of infilling and until final restoration is complete. Gates shall be locked outside operating hours and at all times when the site is unattended. All reasonable precautions shall be taken to prevent unauthorised access and/or the illegal deposit of waste at the site.
8. Access to and egress from the site shall be via Lavender Hall Lane. The main site road and subsidiary site roads to the tipping area shall be constructed and maintained as detailed in the working plan.
9. An identification board of durable material and finish shall be displayed at the entrance to the site. This shall show the name, address and licence number of the site; the name, address and telephone number of the WDA and a telephone number through which a responsible person may be contacted in the event of an emergency occurring when the site is unattended.
10. A site control office shall be provided as detailed in the working plan. The office shall provide facilities for record keeping and other facilities as detailed in the working plan.
11. The site, when open, shall be manned and supervised by at least two members of staff one of whom is fully conversant with inspection and unloading procedures, capable of identifying the categories of waste permitted by this licence and trained to implement emergency procedures if necessary, as detailed in the working plan.
12. All wastes accepted at the site shall be checked immediately upon arrival for suitability for acceptance, as detailed in the working plan.
13. There shall be no sorting, processing or re-excavation of waste at the site other than the segregation of any unacceptable waste.
14. Provision, as detailed in the working plan, shall be made for dealing with any unacceptable waste inadvertently delivered to or left at the site.

15. Prior to the deposit of waste at the site, top-soil shall be stripped from the surface of the site and stored on site to be reinstated when the site is restored.
16. Prior to the deposit of waste at the site monitoring boreholes shall be provided in natural ground at the locations shown on drawing No. 1983/1. These boreholes shall be constructed, to a depth of 2 metres, out of 100mm diameter acid resistant slotted pipe, surrounded by clean aggregate containing no fines in a 200mm diameter hole. The aggregate shall be sealed at the surface with a minimum of 0.25 metres of bentonite. A monitoring nipple shall be provided at the head of the slotted pipe and the borehole shall be finished off at the surface with lockable steel headworks.
17. Not less than two weeks after the installation of the boreholes referred to in condition 16 and prior to the deposit of waste, the boreholes shall be monitored to determine background levels of methane, carbon dioxide and oxygen. Atmospheric pressure at the time of monitoring shall be recorded.
18. As infilling proceeds, three further boreholes shall be constructed within the waste at the locations shown on drawing No. 1983/1. The boreholes shall be constructed from the base of the site and shall consist of 100mm dia acid resistant slotted pipe surrounded by aggregate containing no fines. When final levels are reached the boreholes shall be finished off at the surface with lockable steel headworks.
19. All boreholes shall be monitored for methane, carbon dioxide and oxygen on a monthly basis or at any other frequency specified by the WDA. Atmospheric pressure shall be recorded at the time of monitoring. All results of monitoring shall be forwarded to the WDA as soon as practicable.
20. If, in the opinion of the WDA, the results of monitoring deem it necessary, measures shall be taken to prevent the lateral migration of landfill gas from the site.
21. Waste shall be compacted and formed into a layer as soon as possible after deposit and not later than the end of the working day on which the waste is deposited.
22. The layers of waste shall be formed by using suitable compaction equipment with a blade or some other appropriate levelling device as detailed in the working plan.
23. The depth of any layer of waste shall not after initial compaction exceed 2 metres.
24. Working faces and flanks shall be compacted to form gradients not steeper than 1:3.

25. Each layer of waste shall be laid to a fall to encourage surface water run-off from tipping areas.
- 26(a) Plant and equipment shall be provided at the site as detailed in the working plan.
- (b) Plant and equipment shall be used, stored and maintained as detailed in the working plan.
- (c) Liquids used for the operation and maintenance of equipment and facilities shall only be stored at the site as detailed in the working plan. Tanks and drums used for the storage of such liquids shall be contained in bunded compounds and shall be of a type and construction suitable for the liquids they contain and labelled to show their contents. They shall conform, where necessary, to all relevant safety and construction standards and shall be installed only at locations shown in the working plan.
- (d) Bunded compounds referred to in Condition 26(c) shall have an impermeable internal surface and have a minimum available capacity equal to the volume of the largest tank or drum within it plus 10%. Spillages in bunded compounds shall be removed forthwith and rainwater shall not be allowed to accumulate.
27. No waste material shall be disposed of by fire within the boundaries of the site. Any fire occurring within the confines of the site shall be treated as an emergency and immediate steps shall be taken to extinguish it. All such fires shall be reported immediately to the Fire Service and WDA and, if necessary, suitable earth moving equipment and an operator shall be made available to facilitate the control of the site under the direction of the Fire Service.
28. Monitoring for leachate generation shall be undertaken in accordance with the proposals detailed in the working plan. Any leachate found shall be checked and disposed of as detailed in the working plan.
29. Measures shall be taken to suppress dust by spraying with water, treating with a soil stabilizer or covering with a layer of non-dusting inert material.
30. Measures, as detailed in the working plan, shall be taken to ensure that mud, debris or any other material is not deposited on any surrounding roadway by vehicles leaving the site.
31. The site shall be inspected daily and where necessary action shall be taken to deal effectively with any weeds, insects or vermin found on site. A record shall be kept of any action undertaken.
32. Measures, including proper maintenance and use, shall be taken to control the noise of machinery and vehicles operating at the site.
33. Until final restoration, completed areas of landfilling shall be graded and maintained in a tidy condition.

34. A record shall be kept of the types and quantities of waste delivered to the site. This record shall comprise full details as required on forms supplied by the WDA and copies shall be sent to the WDA once a month or at a frequency specified by the WDA. These records shall be made available to any representative of the WDA for inspection at any reasonable time.
35. Provision shall be made to allow safe access to all operational areas of the site at all reasonable times by any authorised representative of the WDA for the purpose of monitoring conditions at the site or its environs.
36. The final layer of waste deposited shall, to a depth of not less than 1 metre, be kept free of materials likely to interfere with final restoration or subsequent use, and shall consist of 700mm of sub-soil topped with 300mm of top-soil.
37. Final restoration including soil/topsoil cover, shall not exceed the levels shown on Drawing No. 1982/3 entitled "Proposed Levels".
38. Any temporary cessation of operations for a period in excess of 3 months shall be notified to the WDA. Not less than 14 days notice shall be given to the WDA of the date on which operations are to recommence in the event of a temporary cessation for a period in excess of 3 months.
39. A copy of any notice or instruction received in respect of the site from any authority, other than the WDA, which in any way relates to the use of the site shall be given to the WDA within three days of the receipt of such notice or instruction.
40. The terms of this licence shall be made known to any person who is given responsibility for the management or control of the site, and a copy of these conditions and the working plan shall be kept in the site office.
41. The landfilling operations permitted by this licence shall cease on or before the 31st December 1993.

SCHEDULE B

1. In this licence, an emergency is defined as a case where a person has reasonable cause to believe that circumstances exist which are likely to endanger life or health or cause damage to property or pollution of water.
2. A quantity or concentration of any substance contained in any waste is regarded to be hazardous if that substance is present in that waste in such a quantity or concentration as to subject persons or animals to material risk of death, injury or impairment of health, or as to threaten the pollution or contamination (whether on the surface or underground) of any water supply.
3. In this licence "Landfill Gas" means gas having the characteristics of gas produced as a by-product from the digestion by anaerobic bacteria of putrescible matter present in waste deposited at landfill sites.



Walsall Metropolitan Borough Council

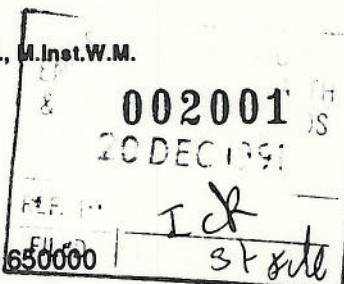
Environmental Health & Consumer Services Department

W. J. Kirkham, B.A., D. M.S., M.I.E.H., M.Inst.W.M.

Director

Tameway Tower
Bridge Street
Walsall. WS1 1DJ

Facsimile: 30697 Telephone: (0922) 650000



Your ref:

Our ref: 12/HW/644/1366/SAW/RJ

Date: 17th December 1991

Please ask for: Mr. S. Wright
Direct Line (0922) 65 2290

Director of Environmental Health
and Trading Standards,
Solihull M.B.C.
P.O. Box 24,
Council House,
Solihull,
West Midlands,
B91 3EG.

For the attention of Mr. K. McBride

Dear Sir,

SL 1017 - LAVENDER HALL FARM, LAVENDER HALL LANE,
BERKSWELL, NR COVENTRY

Please find enclosed the above disposal licence for your consideration and subject to approval, signature and issue.

The working plan is considered by the Hazardous Waste Unit to be suitable for approval by your authority.

Please forward me a copy of the signed licence and the letter approving the working plan as soon as these are available.

Yours faithfully,

S. A. Wright
Waste Control Inspector

APPLICATION NO. 91/1352

DATE : 15.10.91

Site : LAVENDER HALL, LAVENDER HALL LANE, BERKSWELL

Proposal : VARIATION OF CONDITION NO.2 OF PLANNING APPLICATION NO.
90/0562 TO ALLOW INERT MATERIALS AND ROAD PLAININGS TO
BE DEPOSITED ON THE SITE

Applicant : J W WEAVER

Submitted by : J W WEAVER

Application Dated : 28.08.91 Date Registered : 02.09.91

Last Revision Dated:

Town and Country Planning Act 1990.

Town and Country Planning General Development Orders 1988-1989.

NOTICE OF DECISION OF LOCAL PLANNING AUTHORITY.

The Solihull Metropolitan Borough Council as Local Planning Authority hereby APPROVES THE VARIATION in the Condition No. 2 contained within Planning Permission reference number 90/0562 dated 12.3.91 requested in the application numbered as shown above.

The approved variation of that/those conditions is/are as follows:-

- 01 No materials shall be deposited on the site other than builders rubble, inert materials and weathered road plainings which shall, for the avoidance of doubt, comprise bricks, mortar, concrete, sub soil, top soil, clay, slate, sand, glass, stone and other similar materials, which have the prior written approval of the Local Planning Authority. The approved materials shall not include new tarmac.

The reasons for such conditions are as follows:-

- 01 To ensure that the land can be satisfactorily restored to agricultural use and that there will be no unacceptable risk of pollution to ground and surface waters.
- 01 NOTE: A copy of the observations of the National Rivers Authority is attached for your attention.


JOHN SCAMPION M.A.
TOWN CLERK AND CHIEF EXECUTIVE OFFICER

G

Walsall Metropolitan Borough Council
Environmental Health & Consumer Services Dept.
Hazardous Waste Unit
Challenge House
Hatherton Road
Walsall
WS1 1YG

704 6826

KMcB
~

27 September 1994

Dear Sir,
Waste Disposal Licence SL1017: Lavender Hall Farm. Lavender Hall Lane
Berkswell Solihull.

A variation to the above licence has been issued, I attach a copy of the signed variation for your records.

Should you wish to discuss this matter, please contact Mr. McBride on the above number.

Yours faithfully,

ST

Assistant Director of Environmental Health and Trading Standards

Y OF WASTE TIPPED AT SITE.

**E. MID-CITY LANDFILL
LAVENDER HALL
LAVENDER HALL LANE
BERKSWEIL
NR COVENTRY
CV7 7BN**

LICENCE NO.:SL1017

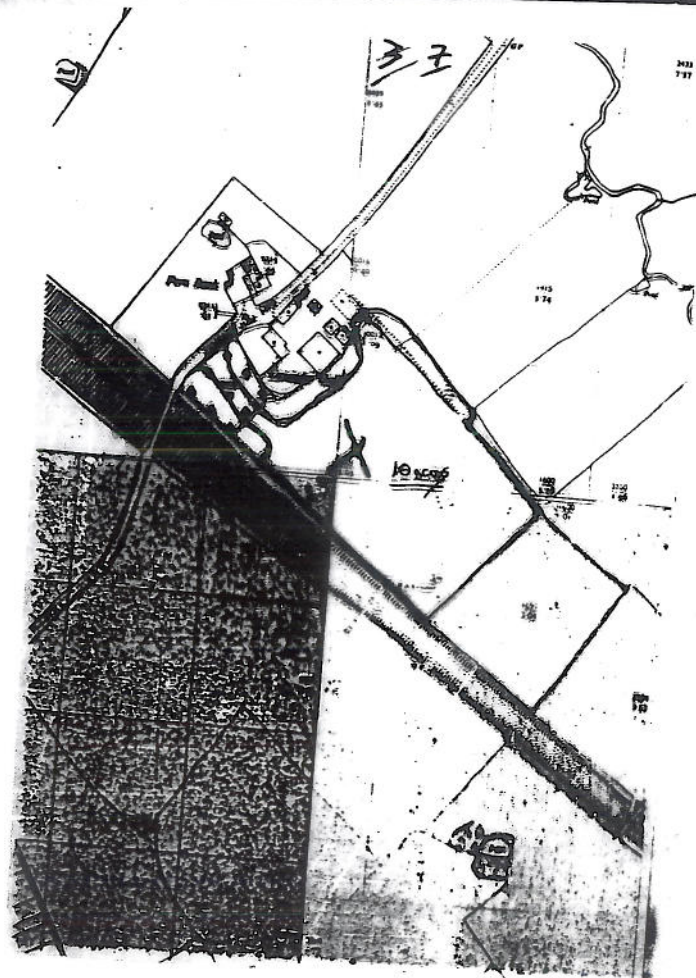
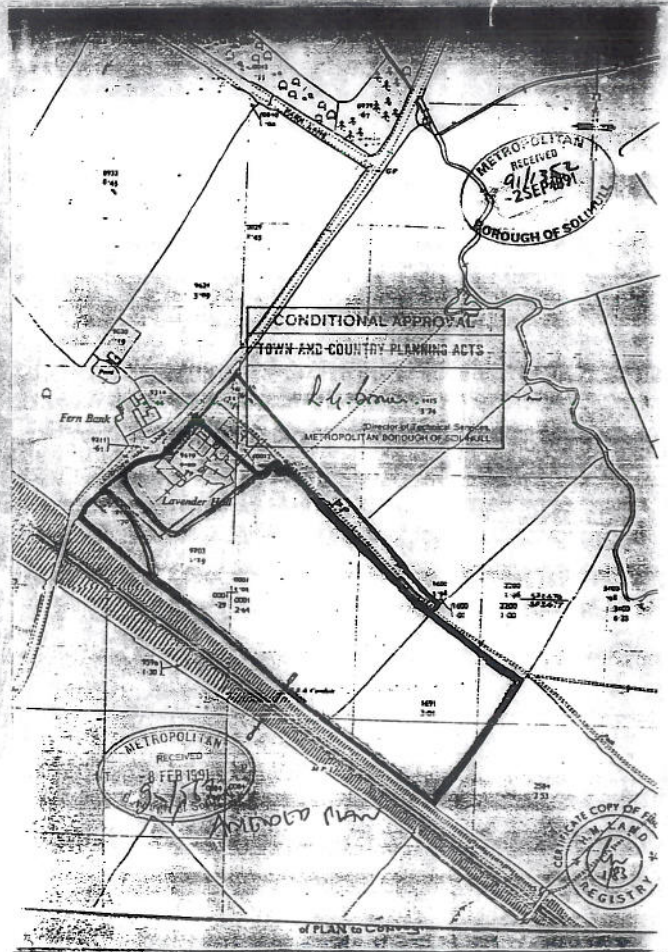
MONTH: Dec '94

IF WASTE

TOTAL TIPPED AT SITE: (YARDS)

13 JAN 1995

21203 ycd ~~WABOU~~ 2011



Please read the attached notes before completing any part of this form.
APPLICATION FOR PERMISSION TO DEVELOP LAND PART I

Town and Country Planning Act 1962

METROPOLITAN BOROUGH OF SOLIHULL

For office use only.

Received
Ref. No.



PART I - to be completed by or on behalf of all applicants as far as applicable to the particular development.

1. Applicant (in block capitals)

Name J.W. WEEVER
Address LAVENDER HALL, LAVENDER HALL
LANE, BECKENHILL, COVENTRY
Tel. No. 0576 24814

Agent (if any) to whom correspondence should be sent.
(in block capitals)

Name
Address
Tel. No.

2. Particulars of proposal for which permission or approval is sought
(a) Full address or location of the land to which this application relates and site area (where appropriate) AS ABOVE APPROX 10.255
INSENERATED RESIDUES
INERT MATERIALS & ROAD PAAVING

(b) Brief particulars of proposed development including the purpose(s) for which the land and/or LAND FILL SITE

(c) State whether applicant owns or controls any adjoining land and if so, give its location NONE

(d) State whether the proposal involves:-

(i) New Buildings

(ii) Alteration or extension

(iii) Change of use

(iv) Construction of new access to a highway

(v) Alteration of an existing access to a highway

YES/NO

YES/NO

YES/NO

YES/NO

YES/NO

YES/NO

If industrial/office/ warehousing/storage or shopping development please complete Part II.

If residential development please complete Part III.

If mineral extraction is proposed please obtain and complete application form Part IV from the Council Offices.

3. Particulars of Application

State whether this application is for (Please leave only one 'YES'):-

(i) Outline planning permission

YES/NO

(ii) Full planning permission

YES/NO

(iii) Approval of reserved matters following the grant of outline permission

YES/NO

(iv) Renewal of a temporary permission or permission for retention of building or continuance of use without complying with a condition subject to which planning permission has been granted

YES/NO

If yes, delete any of the following which are not reserved for subsequent approval

1. siting

2. design

3. external appearance

4. means of access

5. landscaping

If yes, state whether any change of use is involved

YES/NO

If yes, state the date and number of outline permission

Date

Number

If yes, state the date and number of previous permission and identify the particular condition

Date 2/3/91

Number 90/0562

The condition LAND FILL (BUILDERS)

4. Particulars of Present and Previous Use of Buildings or Land

State (i) Present use of buildings/land

(ii) If vacant, the past previous use & date when use ceased

(i) NONE

(ii) NONE

5. Does the proposed development involve the felling of any trees or the removal of any hedgerows?

YES/NO

If yes, indicate positions on plan and indicate trees and hedges to be retained.

5(a) (i) How will surface water be disposed of?

(i)

(ii) How will foul sewage be dealt with?

(ii)

6. Plans

List of drawings and plans submitted with the application.

NOTE: The proposed means of enclosure, the materials and colour of the walls and roof, landscaping details etc. should be clearly shown on the submitted plans, unless the application is in outline only.

I/we hereby apply for

(a) planning permission to carry out the development described in this application and the accompanying plans, and in accordance therewith.

OR (b) planning permission to retain buildings or works already constructed or carried out, or a use of land already instituted as described on this application and the accompanying plans.

OR (c) approval of details of such matters as were reserved in the outline permission specified herein and are described in this application and the accompanying plans.

* Delete whichever is not applicable.

Date 28/8/91

Signed

Deaver

on behalf of

(Insert applicant's name if signed by an agent)

Application No : 91/1352 - Reserved Matters
 Condition Variation
 Date Registered: 02.09.91
 Applicant: J W NEAVER

Location : LAVENDER HALL, LAVENDER HALL LAKE, BERSWELL

Proposal : VARIATION OF CONDITION NO.2 OF PLANNING APPLICATION NO. 90/0562 TO
 ALLOW INCINERATED RESIDUES, INERT MATERIALS AND ROAD PLAININGS TO BE
 DEPOSITED ON THE SITE

CONSULTATIONS/PUBLICITY:

Highway Engineers : no objections providing quantities and routes
 do not change from Section 106 Agreement
 Drainage Engineers : no objections
 Berswell Parish Council : no objections providing revised condition is
 adhered to
 D.E.T.E.S. : no objections
 Site Notice Displayed : 05/09/91
 Neighbours Notified : 02/09/91
 East Midlands Electricity : no objections in principle
 M.A.F.P. : no objection subject to no contaminated/harmful
 material being deposited
 W.R.A. : object - the inclusion of incinerated residue
 would present an unacceptable risk of
 pollution to ground and surface waters
 British Pipeline Agency : no affect on proposed pipeline

POLICY:

- 1) Planning consent granted for landfill subject to conditions and Section 106
 Agreement in March 1991.
- 2) Green Belt.

APPRAISAL:

This application seeks to vary the terms of Condition 2 attached to the
 landfill consent at Lavender Hall Farm. At present the condition permits only
 builders rubble or similar material to be tipped.

It is now proposed to tip incinerated residues, inert materials and road
 plainings in addition to builders rubble.

The applicant has clarified the proposed materials as follows:

- 1) The incinerated residues are household waste which have been washed and had
 all metals extricated.
- 2) The inert materials would include sub soils, top soils, clay, slate, sand,
 glass and stone.
- 3) Road plainings are principally tarmac and other surfacing materials removed
 from roads.

The variation of Condition no.2 would appear to be acceptable in principle
 however NRA have raised objections to which the applicants' attention has been
 drawn, to the tipping of incinerated residues and new tarmac. Accordingly
 subject to the deletion of these materials the application could be approved.

CONCLUSION:

Subject to letter of clarification deleting incinerated residues and new tarmac
 the application could be approved with the following conditions:

- 01 No materials shall be deposited on the site other than builders rubble,
 inert materials and weathered road plainings which shall, for the
 avoidance of doubt, comprise bricks, mortar, concrete, sub soil, top
 soil, clay, slate, sand, glass, stone and other similar materials, which
 have the prior written approval of the Local Planning Authority. The
 approved materials shall not include new tarmac.

PLANNING APPLICATION NO: 9/1352

SUB-COMMITTEE REPORT AND RECOMMENDATION

CONSULTATIONS / PUBLICITY

Highway Engineers: *No objection pending working and routes do not change from Section 106 agreement*

Drainage Engineers: *No objection*

Barnwell Parish / Town Council: *No objection pending revised Condition 2 addressed to*

DEHTS: *no objection*

Site Notice Displayed: *5/9/91*

Neighbours Notified: *5/9/91*

Press Advertisement: *no objection*

Other: *no objection in principle*

MAFF: *no objection subject to no contaminated material being deposited*

NRA: *no objection - the inclusion of incinerated residues will present an unacceptable risk to of pollution to ground and surface water*

British Pipeline Agency: *no effect on proposed pipeline*

POLICY 1: *Planning consent granted for landfill subject to Condition 2 and Section 106 agreement in March 1991*

Condition 2: *Green Belt*

APPRAISAL

This application seeks to vary the terms of Condition 2 attached to the landfill licence at Laverham Hall Farm. At present the condition permits only building rubble of similar material to be tipped. It is proposed to tip incinerated residues, inert materials and road plantings in addition to building rubble. The applicant has clarified the proposed materials as follows:

1) The incinerated residues are household waste which has been washed and had all metals extracted.

(Continues overleaf if necessary)

2) The inert materials would include subsoil, topsoil, clay, slate, sand, glass and stone.

3) Road plantings are the surface paving material principally + macadam from roads and other paving materials removed from roads.

The variety of the Condition 2 would appear to be acceptable in principle however NRA have raised objections which the applicant, to which the applicant's attention has been drawn, ~~is not satisfied with~~ to the ~~applicant's satisfaction~~ tipping of incinerated residues and new tarmac. Accordingly subject to the deletion of these materials the application would be approved.

CONCLUSION

- ☒ Subject to ~~deletion of~~ *deletion of* incinerated residues and new tarmac
- ☒ The application could be approved with the following conditions
- ☒ The application could be refused for the following reasons

AC34 '2' '90/562' 12/3/91.

No materials shall be deposited on the site other than building rubble, inert materials and weathered road plantings which shall, for the avoidance of doubt, comprise bricks, mortar, concrete, subsoil, topsoil, clay, slate, sand, glass and stone and other similar materials which have the prior written approval of the local Planning Authority. The approved materials shall not include new tarmac.

To ensure that the land can be satisfactorily returned to a agricultural use and that there will be no unacceptable risk of pollution to ground and surface waters

AMENDMENT TO DRAFT DECISION

POST SUB-COMMITTEE

PA No. 91/1352

Sub Committee Date

14/10/91

ALTERATIONS

tick box

☐ type of decision

☐ condition(s)

☐ reason(s)

☐ applicant/agent

☐ location

☒ description

☐ revised plan date

change to

conditional approval	refused	chairman vice chairman	defer	withdrawn
----------------------	---------	------------------------	-------	-----------

provide details below

NOTE TO PLANAPS OPERATOR ALTER STATUS

supply details of alterations below

CHANGE

DETAILS

*Delete 'incinerated residues' from the description!

+ Add BNO9.

CASE OFFICER: Initials
AREA PLANNING

PLANNING OFFICER:

PLANAPS INPUT:

Our Ref: UT91/10791 (06627)

Your Ref: 91/1352

Date: 24 September 1991



National Rivers Authority
Upper Trent Region

Mr R G Brown
Director of Technical Services
Solihull Borough Council
PO Box 19
Council House
Solihull
B91 3QT

25 SEP 1991 AS

Dear Sir

PROPOSED ALLOW INCINERATED RESIDUES, INERT MATERIALS & ROAD PLAININGS TO BE DEPOSITED LAVERDEN HALL LAVERDEN HALL LAVERDEN HALL
Applicant - J W WEAVER.

Thank you for referring the above application which was received on 4 September 1991

The Authority OBJECTS to the proposed variation of conditions to allow tipping of incinerated residues etc.

Reasons

The inclusion of incinerated residues would present an unacceptable risk of pollution to ground and surface waters.

Comments

Our records on the analyses of incinerator residues indicate that there is considerable variation in the leachates produced, depending on the origin of the wastes and the operational performance of the incinerator. Therefore, incinerator residues cannot be classed as being inert and should be avoided.

The Authority would have no objections to the deposition of inert materials or WEATHERED road plainings. However, it should be noted that phenols are leached from new tarsacs. Consequently such materials should be specifically excluded.

Yours faithfully

R. E. Plummer
S J Slack
Principal, Catchment Management
Upper Trent Area

Please Contact
R. E. Plummer
Ext. 4078

Upper Trent Area
Central House
Midway Crescent
Hedley Park
Lichfield
Staffs
WS13 8BZ
Tel: 0543 444411
Fax: 0543 444481

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R. E.
S J Slack
Principal
Upper

Application No : 91/1716 - Full Planning

Date Registered: 26.11.91

Applicant: J WEAVER

Location : LAVENDER HALL FARM, LAVENDER HALL LANE, BERKSWELL

Proposal : APPLICATION TO ALLOW THE REMOVAL AND MOVEMENT OF EXCESS LANDFILL MATERIAL

CONSULTATIONS/PUBLICITY:

- Highway Engineers : no objections subject to Section 106 Agreement to control vehicular traffic
- Drainage Engineers : no observations
- Berkswell Society : object: i) lane unsuitable for increase in heavy traffic
ii) no topsoil should be removed.
- Berkswell Parish Council : object - removal of topsoil/sub soil could increase the tipping area - there will then be a shortage of soil to reinstate the land at a later date
- D.E.B.T.S. : if approved it will necessitate the importation of material to complete restoration
- Site Notice Displayed : 29/11/91
- Neighbours Notified : 26/11/91
- N.R.A. : no objections in principle
- British Pipeline : no objections
- MAFF : no objections subject to satisfactory restoration of the site after tipping

One letter of objection concerning:-

- i) residential and Green Belt area therefore commercial use is inappropriate
- ii) harm to road safety of lorries manoeuvring in narrow lane.

POLICY:

- 1) Green Belt
- 2) Consent granted in March 1991 for landfill operations on 10 acres of land at Lavender Hall Farm, Berkswell - expires on 31/12/93.
- 3) VDP Policies GB2 and WD2

APPRAISAL:

This application seeks consents to remove 26,000 cubic metres of excess materials, such as subsoils, clay and loggin from this site. Members may recall granting consent for landfilling on 10 acres of land situated to the rear of Lavender Hall Farm, Berkswell. The consent was subject to a legal agreement which inter alia, restricts the routing of lorries.

At present the owner has stripped off topsoil, subsoil from the site, which now forms a bund to the site, in preparation for tipping clays and loggin. He is still awaiting the grant of a waste disposal licence and tipping has not yet commenced.

The consent is subject to a number of conditions which include the restoration of the site to a condition suitable for agriculture. A considerable amount of topsoil and subsoil will be required to effectively restore the land.

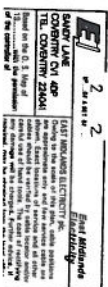
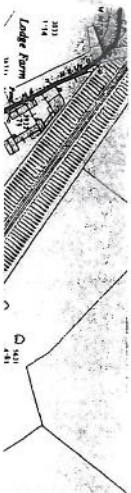
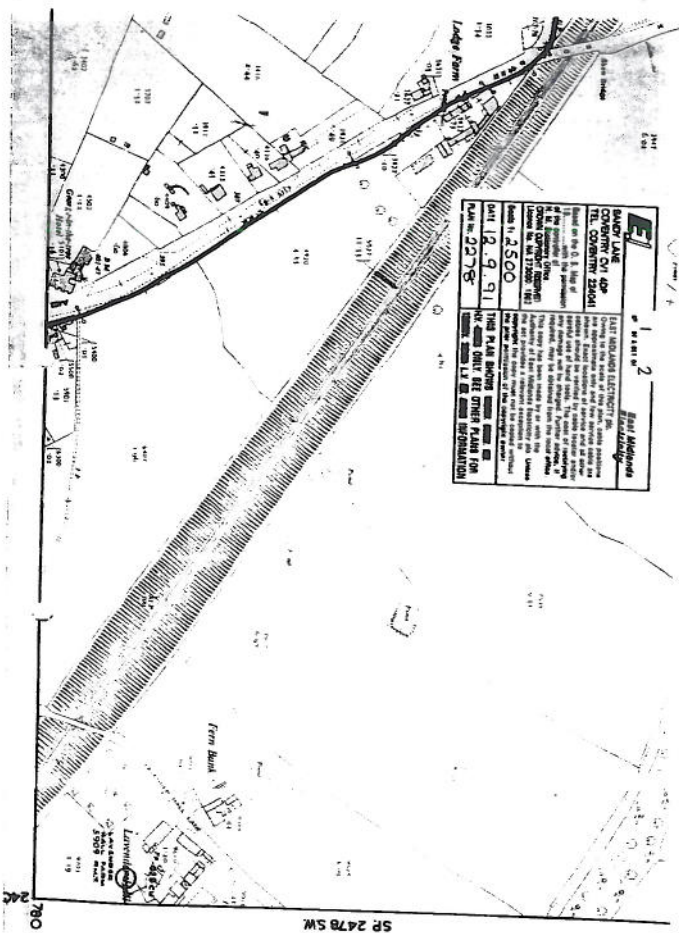
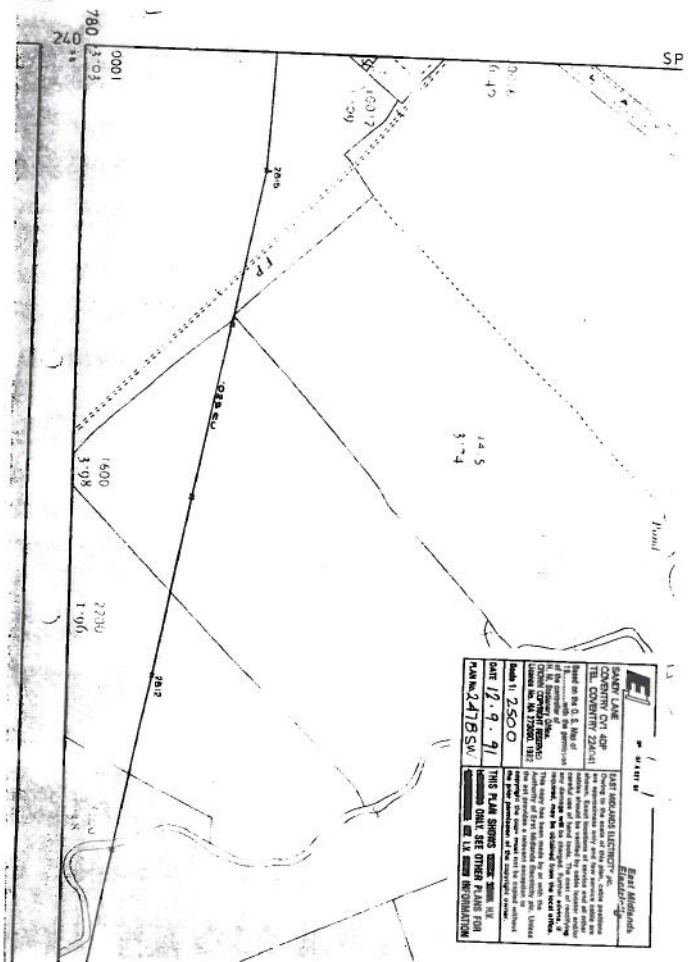
Clearly it would seem inappropriate to remove subsoil which might be necessary for restoration because this would necessitate increased traffic movements to import the material at the time of restoration. Whilst the removal of loggin an delay would not have the same implications I consider that it would not be feasible to separate the materials to ensure that only boggin and clay are removed.

In these circumstances I consider that the application should be refused.

RECOMMENDATION:

Refusal.

01 It would be appropriate to grant consent for the removal of any topsoil, subsoil or similar materials that would be necessary to complete the restoration works required by the landfill consent reference 90/562. Furthermore, it would also be extremely difficult to satisfactorily separate these materials from genuine waste and to control the operation with an enforceable planning condition.





P.O. Box 19, Council House, Solihull, West Midlands B91 3QT
Telephone 021-704 6000 Fax 021-704 6114

Full Planning
Decision Notice

APPLICATION NO. 90/0562

DATE : 12.03.91
Site : LAND TO REAR OF LAVENDER HALL FARM, LAVENDER HALL LANE,
BIRMINGHAM
Proposal : RAISING LAND LEVELS TO RESTORE TO AGRICULTURAL AND
IMPROVE VISUAL LAYOUT.

Applicant : MR. J. WEAVER,

Submitted by: MIDLAND TRANSPORT SERVICES LTD,

Application Dated : 01.03.90
Last Revision Dated: 08.02.91

Date Registered : 24.04.90

Sundays or Bank Holidays.

- 04 No development shall commence on site until a 1.5 metre post and wire fence has been erected along the entire north-eastern boundary of the application site where it abuts the public footpath.
- 05 No development shall commence on site until a phasing programme for the tipping operations, including appropriate drawings, has been submitted to and approved in writing by the Local Planning Authority. Thereafter development shall proceed in strict accordance with the agreed programme.
- 06 Before the expiration of 6 months after the cessation of the approved landfill operations, the land shall be subsoiled, topsoiled, graded, contoured and grassed in accordance with the final levels shown on drawing 1983/2 or in accordance with such other scheme which has received the prior written consent of the Local Planning Authority. In any case the final levels shall be no more than 1 in a gradient and no less than 1 in 100 to facilitate natural drainage and normal agricultural operations.
- 07 Within one year of commencement of development work the site shall be landscaped and planted with trees and shrubs in accordance with a landscaping scheme which shall have been submitted to and approved by the Local Planning Authority before development work commences, unless in either case an extension of time has been agreed in writing by the Local Planning Authority.
- 08 Any tree, hedge or shrub planted as part of a landscaping scheme (or replacement tree/hedge) on the site, and which dies or is lost through any cause during the period of five years from the date of the first planting shall be replaced in the next planting season.
- 09 The restoration work required by Condition 6 above shall be carried out in full accordance with the following criteria:- (a) The tipped material

John Scamper M.A.
JOHN SCAMPER M.A.
TOWN CLERK AND CHIEF EXECUTIVE OFFICER

THE LEAFLET ATTACHED EXPLAINS YOUR RIGHTS AND RESPONSIBILITIES



P.O. Box 19, Council House, Solihull, West Midlands B91 3QT
Telephone 021-704 6000 Fax 021-704 6114

Full Planning
Decision Notice

APPLICATION NO. 90/0564

DATE : 12.03.91
Site : LAND TO REAR OF LAVENDER HALL FARM, LAVENDER HALL LANE,
BIRMINGHAM
Proposal : RAISING LAND LEVELS TO RESTORE TO AGRICULTURAL AND
IMPROVE VISUAL LAYOUT.

Applicant : MR. J. WEAVER,

Submitted by: MIDLAND TRANSPORT SERVICES LTD,

Application Dated : 01.03.90
Last Revision Dated: 08.02.91

Date Registered : 24.04.90

- shall be covered with a minimum of one metre of subsoil and topsoil (combined thickness); (b) No rock, large stones exceeding 150mm in any dimension, or other deleterious material, to be within 0.5m of the surface before the final one metre of soil is placed; (c) The restored subsoil layer shall be subsoil at sufficient depth to break up any pan or consolidated layer before topsoil placement, at a spacing not exceeding one and one half the working depth of the times; (d) The final subsoil layer shall be spread evenly over the site, so as to achieve an ultimate settled depth of 0.7 metres minimum; (e) Topsoil shall be spread over the site aiming to achieve a minimum depth of 100mm. Topsoil depths less than 750mm will be unacceptable; (f) All rocks and large stones exceeding 100mm in any dimension, or other deleterious materials exposed by subsoiling operations shall be removed before the topsoil is placed; (g) The full depth of restored topsoil shall be subsoiled with an agricultural wing tined implement, at a spacing not exceeding one and one half times the working depth of the times. All stones and rocks exceeding 100mm in any dimension, or other deleterious materials, to be removed.
- 10 Throughout the landfill operations and subsequent restoration works described above all existing perimeter hedges and fences shall be protected from damage to the satisfaction of the Local Planning Authority.
- 11 No topsoil stripped from the site shall be removed from the site or its immediate environment and all such topsoil shall be used for the restoration of the site.
- 12 Topsoil heap shall be graded and kept free of all weed growth by the regular application of herbicide.
- 13 During the period of tipping and agricultural restoration the operator must ensure that the effective operation of any drainage to or from

John Scamper M.A.
JOHN SCAMPER M.A.
TOWN CLERK AND CHIEF EXECUTIVE OFFICER

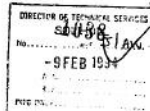
THE LEAFLET ATTACHED EXPLAINS YOUR RIGHTS AND RESPONSIBILITIES

THE BERKSWELL SOCIETY

PLEASE REPLY TO

Spencer's End,
Carol Green,
Berkswell,
Nr. Coventry CV7 7BY
4th February 1994

Director Technical Services Dept.,
P.O. Box 19,
Council House,
Solihull,
West Midlands.



Dear Sir,

RE: CONTINUING WASTE SKIPS & LOWRIES THROUGH BERKSWELL VILLAGE

We have already written a number of letters of complaint on this subject, but the problem has not been resolved.

Promises have been given that this matter would be looked into by your Officers, but waste vehicles are STILL going through Berkswell Village on a daily basis. GWIK SKIP seem to be the worst offenders.

When permission was given for the tipping site in Lavender Hall Lane to continue to be used for another year, were you satisfied that the original conditions were being adhered to? This Society is not at all satisfied that this is so.

Moreover, the condition of all the lanes leading to the tip site - especially Lavender Hall Lane and Park Lane - is quite appalling. Have these lanes been inspected lately? The impact of this tip - apart from all the extra litter that has ensued - is most discouraging.

Can you tell us, please, when this most undesirable venture will cease?

Yours faithfully,

M. F. Cairns

M. F. Cairns - Secretary Berkswell Society

Copies to: Cllr. Alan Vincent
Berkswell Parish Council



P.O. Box 19, Council House, Solihull, West Midlands B37 7YJ
Telephone 021-704 6200 Fax 021-704 6114

Full Planning
Decision Notice

19 JUL 1993

APPLICATION NO. 95/0562

DATE : 12.03.91
Site : LAND TO REAR OF LAVENDER HALL FARM, LAVENDER HALL LANE,
BERKSWELL
Proposal : RAISING LAND LEVELS TO RESTORE TO AGRICULTURAL AND
IMPROVE VISUAL LAYOUT.

Applicant : MR. J. WEAVER,

Submitted by: MIDLAND TRANSPORT SERVICES LTD,

Application Dated : 01.03.90

Date Registered : 24.04.90

Last Revision Dated: 08.02.91

Town and Country Planning Act 1990.

Town and Country Planning General Development Orders 1988-1989.

NOTICE OF DECISION OF LOCAL PLANNING AUTHORITY.

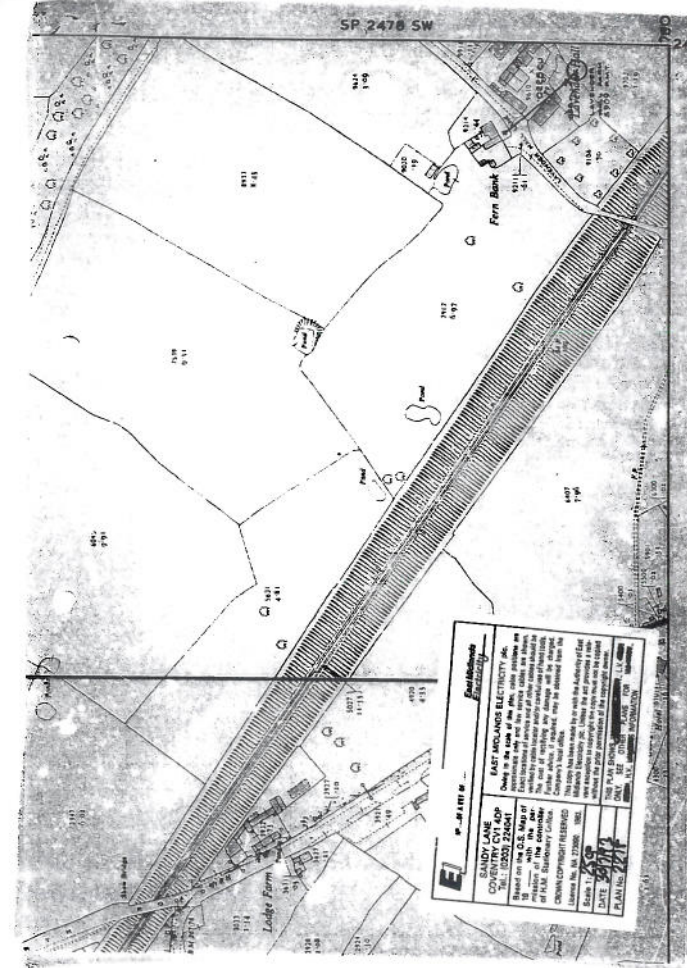
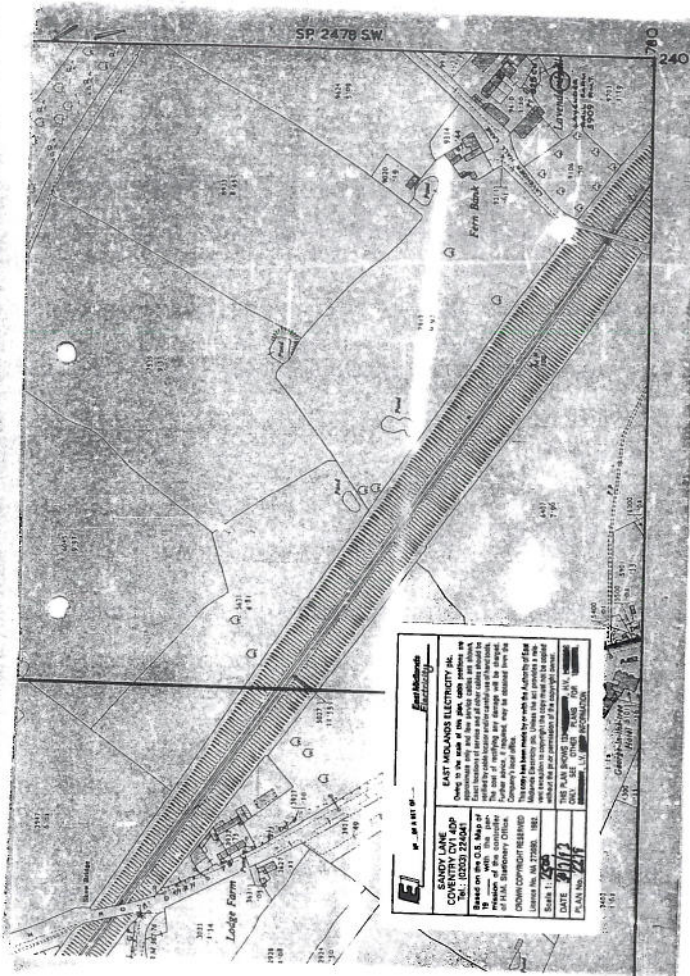
The Solihull Metropolitan Borough Council as Local Planning Authority hereby GRANTS PERMISSION SUBJECT TO CONDITIONS for the above described development proposed in the application numbered as shown above and in the plans and drawings attached thereto (or as revised wholly or in part by those last dated as shown above). A copy of the approved plan(s) is/are attached to this notice.

The development must conform with the terms of, and approved plans accompanying, the permission and must remain in conformity with such terms and plans, subject to and save as may be otherwise required by any of the following condition(s):-

- 01 The landfilling operations hereby permitted shall cease on or before 31/12/93 and the land made suitable for agricultural use in accordance with the conditions attached to this consent unless a prior application has been submitted to and approved by the Local Planning Authority for its continuation.
- 02 No materials shall be deposited on the site other than builders rubble which shall, for the avoidance of doubt, comprise bricks, mortar, concrete, other similar materials which have the prior written approval of the Local Planning Authority.
- 03 No tipping operations shall take place on the site otherwise than between 0800 hours and 1800 hours on Mondays to Fridays (inclusive) and 0800 hours and 1300 hours on Saturdays. No tipping shall take place on

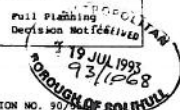
John Scamper
JOHN SCAMPER B.A.
TOWN CLERK AND CHIEF EXECUTIVE OFFICER

THE LEAFLET ATTACHED EXPLAINS YOUR RIGHTS AND RESPONSIBILITIES





P.O. Box 19, Council House, Solihull, West Midlands B91 3JT
Telephone 021-704 6000 Fax 021-704 6114



APPLICATION NO. 90/5562

DATE : 12.03.91
Site : LAND TO REAR OF LAVENDER HALL FARM, LAVENDER HALL LANE, BIRKESHEAD.
Proposal : RAISING LAND LEVELS TO RESTORE TO AGRICULTURAL AND IMPROVE VISUAL LAYOUT.

Applicant : MR. J. WEAVER,

Submitted by: MIDLAND TRANSPORT SERVICES LTD.

Application Dated : 01.03.90 Date Registered : 24.04.90
Last Revision Dated: 08.02.91

Town and Country Planning Act 1990.
Town and Country Planning General Development Orders 1988-1989.

NOTICE OF DECISION OF LOCAL PLANNING AUTHORITY.

The Solihull Metropolitan Borough Council as Local Planning Authority hereby GRANTS PERMISSION SUBJECT TO CONDITIONS for the above described development proposed in the application numbered as shown above and in the plans and drawings attached thereto (or as revised wholly or in part by those last dated as shown above). A copy of the approved plan(s) is/are attached to this notice.

The development must conform with the terms of, and approved plans accompanying, the permission and must remain in conformity with such terms and plans, subject to and save as may be otherwise required by any of the following condition(s):-

- 01 The landfilling operations hereby permitted shall cease on or before 31/12/93 and the land made suitable for agricultural use in accordance with the conditions attached to this consent unless a prior application has been submitted to and approved by the Local Planning Authority for its continuation.
- 02 No materials shall be deposited on the site other than builders rubble which shall, for the avoidance of doubt, comprise bricks, mortar, concrete, other similar materials which have the prior written approval of the Local Planning Authority.
- 03 No tipping operations shall take place on the site otherwise than between 0800 hours and 1800 hours on Mondays to Fridays (inclusive) and 0800 hours and 1300 hours on Saturdays. No tipping shall take place on

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Full Planning
Decision Notice

APPLICATION NO. 90/5562

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Submitted by: MIDLAND TRANSPORT SERVICES LTD.

Application Dated : 01.03.90 Date Registered : 24.04.90
Last Revision Dated: 08.02.91

- Sundays or Bank Holidays.
- 04 No development shall commence on site until a 1.5 metre post and wire fence has been erected along the entire north-eastern boundary of the application site where it abuts the public footpath.
 - 05 No development shall commence on site until a phasing programme for the tipping operations, including appropriate drawings, has been submitted to and approved in writing by the Local Planning Authority. Thereafter development shall proceed in strict accordance with the agreed programme.
 - 06 Before the expiration of 6 months after the cessation of the approved landfill operations, the land shall be subsoiled, topsoiled, graded, contoured and grassed in accordance with the final levels shown on drawing 1983/2 or in accordance with such other scheme which has received the prior written consent of the Local Planning Authority. In any case the final levels shall be no more than 1 in 8 gradient and no less than 1 in 100 to facilitate natural drainage and normal agricultural operations.
 - 07 Within one year of commencement of development work the site shall be landscaped and planted with trees and shrubs in accordance with a landscaping scheme which shall have been submitted to and approved by the Local Planning Authority before development work commences, unless in either case an extension of time has been agreed in writing by the Local Planning Authority.
 - 08 Any tree, hedge or shrub planted as part of a landscaping scheme (or replacement tree/hedge) on the site, and which dies or is lost through any cause during the period of five years from the date of the first planting shall be replaced in the next planting season.
 - 09 The restoration work required by Condition 6 above shall be carried out in full accordance with the following criteria:- (a) The tipped material

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METROPOLITAN BOROUGH COUNCIL

P.O. Box 19, Church House, Solihull, West Midlands B91 3QT
Telephone 021-704 6000 Fax 021-704 6114

Full Planning
Decision Notice

APPLICATION NO. 90/0562

DATE : 12.03.91
Site : LAND TO REAR OF LAVENDER HALL FARM, LAVENDER HALL LANE,
BIRKENWELL
Proposal : RAISING LAND LEVELS TO RESTORE TO AGRICULTURAL AND
IMPROVE VISUAL LAYOUT.

Applicant : MR. J. HEAVEN,

Submitted by: MIDLAND TRANSPORT SERVICES LTD,

Application Dated : 01.03.90 Date Registered : 24.04.90
Last Revision Dated: 08.02.91

shall be covered with a minimum of one metre of subsoil and topsoil (combined thickness); (b) No rock, large stones exceeding 150mm in any dimension, or other deleterious material, to be within 0.5m of the surface before the final one metre of soil is placed; (c) The restored subsoil layer shall be subsoil at sufficient depth to break up any pan or consolidated layer before topsoil placement, at a spacing not exceeding one and one half the working depth of the times; (d) The final subsoil layer shall be spread evenly over the site, so as to achieve an ultimate settled depth of 0.7 metres minimum; (e) Topsoil shall be spread over the site aiming to achieve a minimum depth of 300mm. Topsoil depths less than 250mm will be unacceptable; (f) All rocks and large stones exceeding 100mm in any dimension, or other deleterious materials exposed by subsoiling operations shall be removed before the topsoil is placed; (g) The full depth of restored topsoil shall be subsoiled with an agricultural wing tined implement, at a spacing not exceeding one and one half times the working depth of the times. All stones and rocks exceeding 100mm in any dimension, or other deleterious materials, to be removed.

- 10 Throughout the landfill operations and subsequent restoration works described above all existing perimeter hedges and fences shall be protected from damage to the satisfaction of the Local Planning Authority.
- 11 No topsoil stripped from the site shall be removed from the site or its immediate environment and all such topsoil shall be used for the restoration of the site.
- 12 Topsoil heaps shall be graded and kept free of all weed growth by the regular application of herbicide.
- 13 During the period of tipping and agricultural restoration the operator must ensure that the effective operation of any drainage to or from

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DATE : 12.03.91
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Proposal : RAISING LAND LEVELS TO RESTORE TO AGRICULTURAL AND
IMPROVE VISUAL LAYOUT.

Applicant : MR. J. HEAVEN,

Submitted by: MIDLAND TRANSPORT SERVICES LTD,

Application Dated : 01.03.90 Date Registered : 24.04.90
Last Revision Dated: 08.02.91

- adjoining land is not impaired. The operator must ensure that any additional water flows arising from the site do not adversely affect any adjoining or downstream land, properties or features such as culverts, bridges or drains.
- 14 Field drainage shall be installed on the site where necessary to ensure an adequate return to agriculture status. The details of such a scheme to be agreed with the Local Planning Authority.
 - 15 The land to be returned to agricultural use immediately following the completion of the restoration. It shall be returned to grassland, by analysing the soil for plant nutrient status, followed by the application of lime and fertiliser, as necessary, and sowing with a permanent grass seeds mixture.

The reasons for such conditions are as follows:-

- 01 The grant of consent for these operations without time limit would seriously prejudice the character and appearance of this Green Belt.
- 02 In the interests of the amenities of local residents.
- 03 In the interests of the amenities of local residents.
- 04 To protect the line of the adjacent public footpath.
- 05 The indiscriminate tipping of material across this 10 acre site would be seriously harmful to the character and appearance of this Green Belt location.
- 06 To ensure a finished development which respects the character of its surroundings.
- 07 To minimise the effect and enhance the character of the development.
- 08 To ensure that the landscaping scheme survives a minimum duration.
- 09 To ensure the satisfactory restoration of the land to agricultural use.
- 10 In the interests of the amenities of the locality.

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DATE
Site
Proposal

Applicant
Submitted

Application

Last Revision

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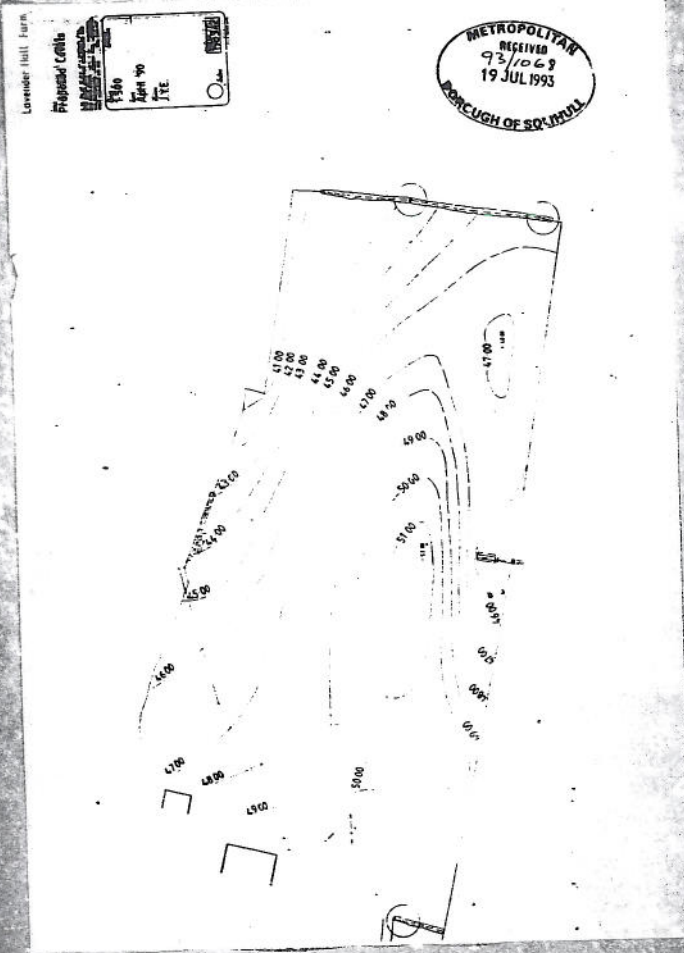
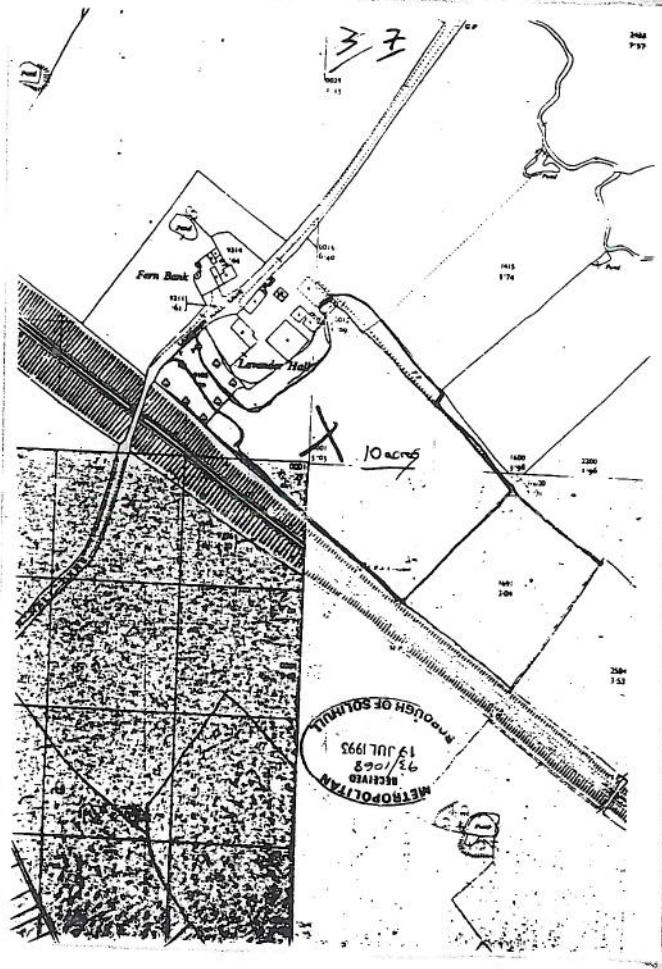
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WEST MIDLANDS PLANNING AND TRANSPORTATION SUB-COMMITTEE

Joint Planning and Transportation Data Team

THE WEST MIDLANDS SITES & MONUMENTS RECORD

S.T. LITTLE BSc (Hons), DipTP, MRTPI
OFFICER-IN-CHARGE

All letters should be addressed to
The Officer-in-Charge.

Please quote reference

Your Ref.

30 March, 1994

Dear Mr Cobb

West Midlands Sites and Monuments Record:

Whilst monitoring the weekly planning lists for Solihull the following developments have been noted as having a potential archaeological interest:

94/0313 - Lavender Hall Farm, Berkswell.
94/0407 - Menden Quarry, Corn. End Lane, Menden.

I would like to request that location and ground plans of these developments be sent to the Sites and Monuments Record to allow us to assess any threat to the archaeological resource and advise accordingly.

Please contact us if you require further information.

Yours sincerely

Hilary White
Hilary White
West Midlands Sites and Monuments Officer

P.O. Box 1777
Clarendon House
Solihull, West Midlands B91 3RZ

Telephone: 021-704 6550

Telecom Gold: LMX 031

Facsimile: 021-704 6554

Please ask for: Joanne Driffill

Our Ref.

Mr Richard Cobb

Technical Services

Solihull - QBC

Coun. House

Solihull

West Midlands

AM
HJC
AJ

Sent
1/4/94
ABM

All communications should be addressed to the
Acting Joint Directors and not to individuals.

Mrs S Wildbore-Smith
Berkswell Parish Council
Moat Cottage
Truggist Lane
Berkswell
Coventry CV7 7BX

Your ref

Our ref P580c/AJ/BEN(105)

Dear Madam

Planning Application No. 94/313

Proposal: Extension to Landfill Operation, Lavender Hall Lane, Berkswell

I refer to your recent letter in connection with the above planning application.

Your comments have been carefully considered by the Council, who have decided to REFUSE planning permission.

A copy of the Decision Notice and all other plans and papers are available for inspection in the Planning Division during normal office hours.

Yours faithfully

Acting Joint Director
(Planning and Transportation)

TECHNICAL SERVICES DEPARTMENT
ACTING JOINT DIRECTORS:

P.C. DAWSON BSc, C.Eng., M.I.C.E., M.I.H.T.
(Technical Services)

J.K. WILSON M.A. (Hons) Dip. T.P., MRTPI
(Planning & Transportation)

P.O. Box 19 Council House
Solihull West Midlands B91 3QT
Tel. 021-704 6000 Fax 021-704 6404

Please ask for: Mr A. Johnson

Direct Line 021-704 6378

Date 29 April 1994

Our Ref: UT94/43214 (11405)
Your Ref: 94/313
Date: 22 April 1994

J K Wilson
Chief Planning Officer
Solihull Borough Council
PO Box 19
Council House
Solihull
West Midlands
B91 3QT



National Rivers Authority
Severn Trent Region

2743 H/AS
REC 1591

Dear Sir

PROPOSED EXTENSION TO LANDFILL SITE AREA LAVENDER HALL FARM LAVENDER
HALL LANE BERKSWELL
Applicant - J WEAVER DEV.

I refer to the above application which was received on 23 March 1994.

The Authority has no objections in principle to the application subject to the inclusion of conditions which meet the following requirements.

There shall be no deposition of biodegradable or putrescible material including paper, cardboard, timber, plasterboard or related products nor any potentially polluting material.

There should be no infilling within 5 metres of any ditch/course/ watercourse.

Reasons

To minimise the risk of pollution of surface water and groundwater.

Yours faithfully

Mr J Jenkin
Area Water Resources & Planning
Manager Upper Trent Area

Please Contact
Mr J Jenkin
Ext. 4078



Upper Trent Area Sensitive House, Wellington Crescent, Fradley Park, Lichfield, Staffs WS15 8RR
Tel: (0543) 444141 Telex: (0543) 444361



DEVELOPMENT CONTROL SUB-COMMITTEE DATE: 27.04.94 PAGE NO. 0017

Application No: 94/0313 - Full Planning

Date Registered: 18.03.94

Applicant: J WEAVER DEV.

Location: LAVENDER HALL FARM, LAVENDER HALL LANE, BERKSWELL

Proposal: EXTENSION TO LANDFILL SITE AREA

CONSULTATIONS/PUBLICITY:

Highway Engineers : views awaited

Drainage Engineers : views awaited

D.E.H.T.S. : no objections in principle. Site licence required and suggest a condition covering finished levels of the site.

Berkswell Parish Council: strongly object - no justification on a perfectly normally contoured Green Belt area. Existing site should be completed as soon as possible. Concern about current destruction of verges and highways.

S.T.W.A. : no objections

H.R.A. : views awaited

Site Notice Displayed : 22/03/94

Neighbours Notified : 18/03/94

Press Advertisement : 25/03/94

Four individual letters of objection including one from CPRE and Berkswell Society:-

- i) Green Belt;
- ii) current nuisance from lorries including mud on roads and damage to verge
- iii) does not accord with policy WD2 of the UDP;
- iv) lorries do not accord with routing agreed;
- v) existing development visually intrusive in rural landscape.

POLICY/BACKGROUND:

- 1) Green Belt.
- 2) Policy GB2 (g) accepts proposals for the controlled tipping of waste, consistent with Policy WD2 of the plan.
- 3) Policy WD2 requires that landfill has to be necessary to bring about the restoration of the site to a beneficial use. Otherwise no presumption in favour of development.
- 4) Consent granted for landfill of 10 acres of land at Lavender Hall Farm subject to a Section 106 Agreement. Consent expires 31/12/94.

29/4

01 The site to which this proposal relates is in an area where Green Belt Policies apply. The approved West Midlands County Structure Plan, 1986 Policy ENW13 states that development will not normally be permitted in the Green Belt except where certain broad criteria apply. Having regard to the nature of this proposal, a.) to Green Belt policies, the Local Planning Authority does not consider that there are any exceptional circumstances to justify departure from the overall presumption against development in the Green Belt. In particular the proposed development fails to accord with Policy W02 of the emerging Solihull UDP and no special circumstances; c.) as a need for landfill capacity within the Borough has been demonstrated.

METROPOLITAN BOROUGH OF SOLIHULL

TOWN AND COUNTRY PLANNING ACT 1990 14/10/93

PLANNING APPLICATION FORM PART V

Additional information required in respect of applications for the disposal, transfer or treatment of waste materials including the reclamation/improvement of land by infilling.

Application No.

If further advice is required on filling in this form, applicants should contact Solihull Council Planning Department (021 704 6000)

A. Nature of Proposal (please tick appropriate box)

Infilling (eg. landfill site) ☒
Transfer Site ☐
Treatment Plant ☐

B. Type of Waste Materials

(a. Indicate approximate percentage of each

Solid ☒
Sludge ☐
Liquid ☐

(b) Category of Waste (please tick appropriate box)

Domestic ☐
Commercial ☒
Industrial ☐

For commercial and industrial wastes, please list below the specific wastes (if necessary continue on a separate sheet).

SUB SOILS AND TYP SOILS

C. If any watercourse crosses or follows the site boundary give details of measures to protect this watercourse.

NONE

D. Give details of existing/proposed fences (or boundary treatment).

AS EXISTING

E. Give details of dust suppression measures.

N/A

F. Give details of wheel cleaning measures.

AS EXISTING

G. Please indicate preferred hours of operation (24 hour clock).

Monday to Friday

8	hours to	5	hours
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Saturday

8	hours to	1	hours
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H. Total number of lorries into the site each week. 27, 17, 15, 1

Planning applications will need to be accompanied by plan(s) showing: (as appropriate) existing and proposed:-

Levels (those proposed must be in form of contour plan), cross sections, Buildings/plant/structures, Access, Drainage, Landscaping (including grass seeding, tree planting) and phasing proposal.

Applicants may wish to submit a supporting statement to explain their proposals. This will be considered as part of the application.

If the proposal is for infilling or a treatment plant please fill in the necessary sections below:-

I. Infilling

a) Volume of total void 14000 cu.metres

b) Life of site ONE years

c) If any material is to be removed from the site give details: N/A

d) If any waste is to be processed on the site give details: N/A

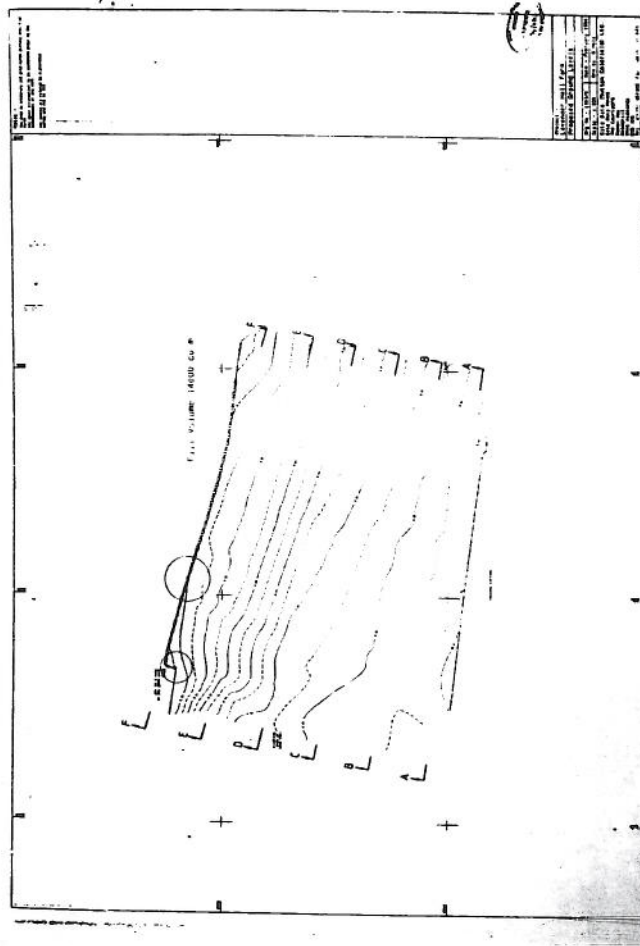
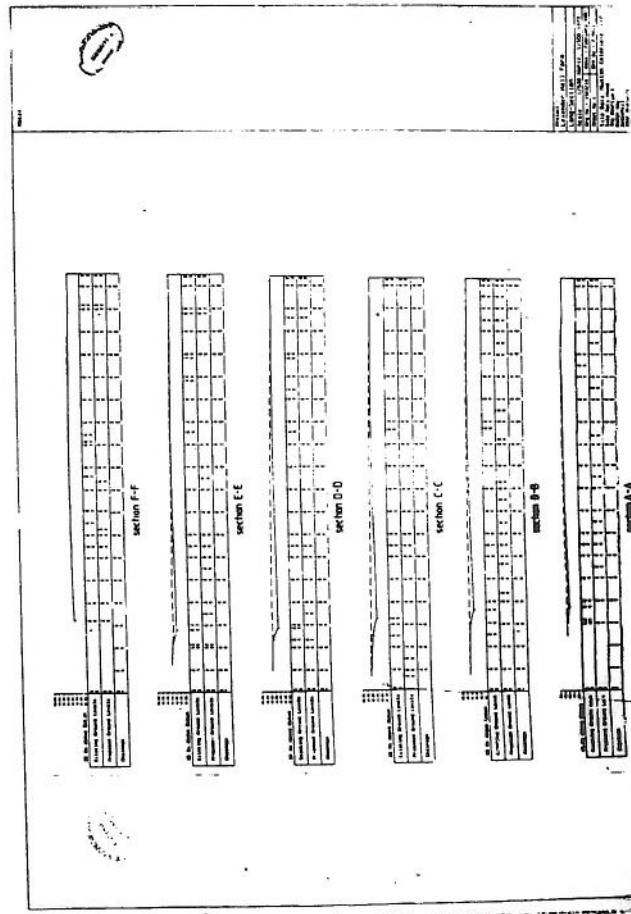
J. Treatment Plant

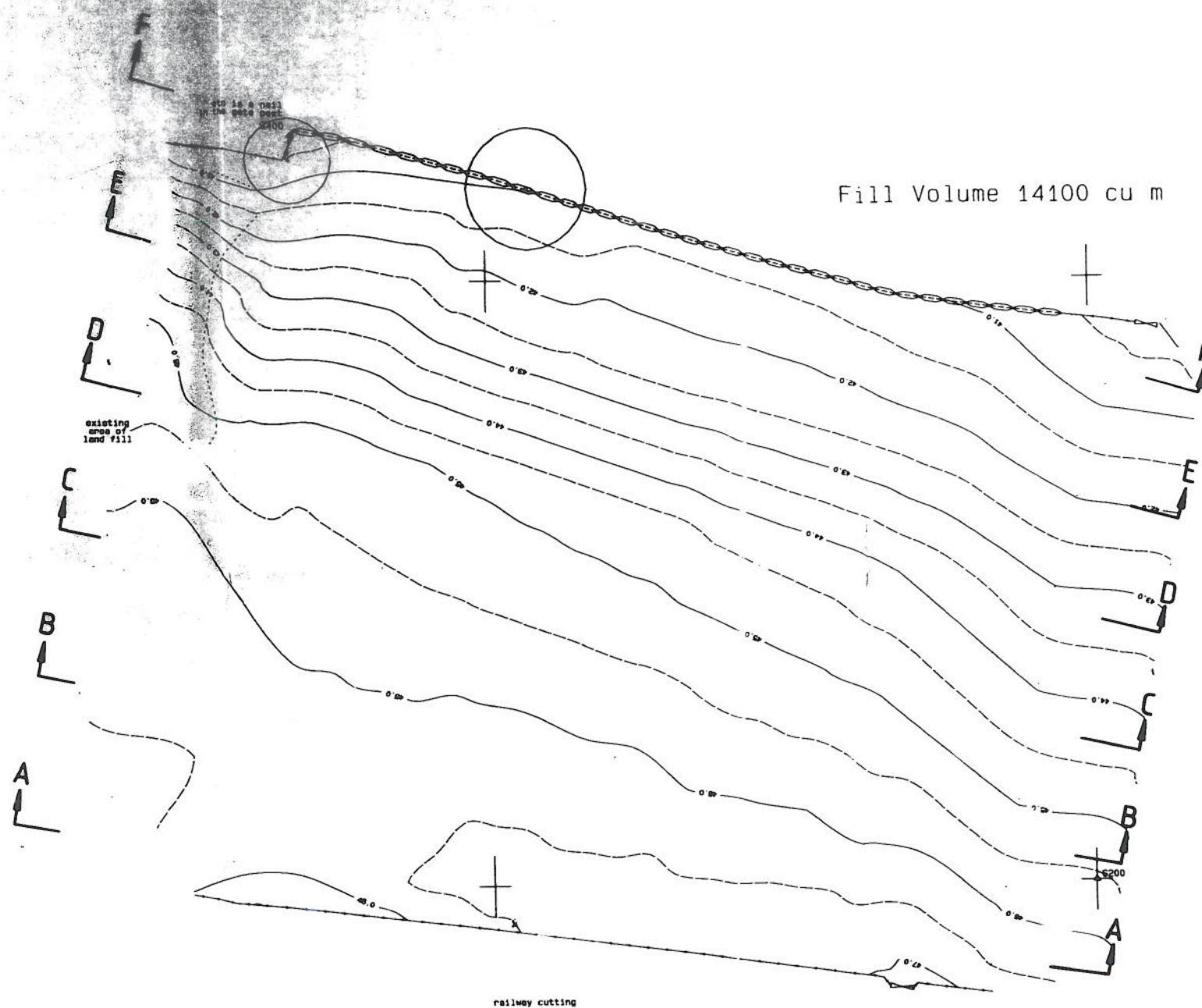
a) What type of treatment is to be carried out?

b) How are treated materials to be disposed of?

c) What materials are to be reclaimed?

d) Please state the maximum weekly plant capacity.





DEVELOPMENT CONTROL SUB-COMMITTEE DATE: 01.09.93 PAGE NO. 0008

Application No: 93/1068 - Full Planning
(Temporary)

Date Registered: 19.07.93

Applicant: J WEAVER

Location: LAVENDER HALL FARM, LAVENDER HALL LANE, BERKSWELL

Proposal: RENEWAL OF PERMISSION 90/0562 FOR THE RAISING OF LAND LEVELS TO
RESTORE TO AGRICULTURAL AND IMPROVE VISUAL LAYOUT

CONSULTATIONS/PUBLICITY:

Highway Engineers : planning conditions to remain

Drainage Engineers : views awaited

DEETS : views awaited

Berkswell Parish Council : Strongly concerned at the delay in completion
of the landfilling operation, suggest renewal
on a yearly basis but it is important that
neither the site nor the activity of
heavy lorries are expanded in any way.

NRA : no objections in principle

East Midland Electricity: no objections in principle

British Rail : no objections

British Pipeline Agency : no objections

WARRACT : views awaited

Site Notice Displayed : 21/07/93

Neighbours Notified : 19/07/93

Press Advertisement : 23/07/93

One letter of objection regarding -

1. Lavender Hall Lane too narrow to cope with
skip lorries and 18 cubic yard lorries.
2. grass verges being worn away
3. walls damaged
4. road surface damaged
5. lorries supposed to turn on exit but may turn right and
through Berkswell village.
6. on dry days nuisance from dust and wet days
mud on road.

POLICY/BACKGROUND:

1. Green Belt.

DEVELOPMENT CONTROL SUB-COMMITTEE DATE: 01.09.93 PAGE NO. 0009

2. Temporary consent granted until 31/12/93 with conditions and legal
agreement for landfill.

APPRAISAL:

Landfill operations are continuing on this 10 acre site, accessed off Lavender
Hall Lane, however, the volume of fill coming into the site has been smaller
than originally anticipated and therefore it is taking longer than originally
anticipated to complete the operation. Accordingly, I consider it
reasonable to permit an extension of the period for completion of the works
by a further 12 months.

RECOMMENDATION:

Approval, subject to views of Drainage and Highway Engineers, NRA and
WARRACT.

01 The landfilling operations hereby permitted shall cease on or before
31/12/94 and the land made suitable for agricultural use in accordance
with the conditions attached to this consent unless a prior application
has been submitted to and approved by the Local Planning Authority for
its continuation.

02 Conditions 02 - 15 and notes to be repeated as per previous decision
notice attached as an Appendix. Additional views of British Rail and
East Midlands Electricity to be appended.



TO:

FROM:

10 March 199

RE: Mr W

Thank you for
no trace of rec

In answer to d

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contract

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I have seen the
case before 31
the issue of the

I suggest that a
proposals. If a
notice may be:

7th Oct 91



INTERNAL-1

OPERATIONAL WORKING PLAN

FOR

MID-CITY LANDFILL

LAVENDER HALL



OTHER-2

MID-CITY LANDFILL
LAVENDER HALL
OPERATIONAL WORKING PLAN

CONTENTS

1. LOCATION
2. GENERAL DESCRIPTION
3. INFRASTRUCTURE
4. FENCING AND BOUNDARIES
5. RECEPTION AND CONTROL
6. VEHICLE CIRCULATION
7. GAS MANAGEMENT
8. LEACHATE MANAGEMENT
9. GENERAL OPERATIONS
10. RESTORATION

MID-CITY LANDFILL

LAVENDER HALL

The following provides a written guide to the landfill operation to be conducted and should be read in conjunction with Plans 1983/1, 1983/2, 1983/3, 1983/4 and any other related documents. Broadly it follows the recommendations of Waste Management Paper No4.

1. LOCATION

1.1 The site is located at Ordnance Survey Reference SP 243 785 in the Metropolitan Borough of Solihull. At a distance of 0.4 km from the village of Berkswell.

1.2 Access to the site is by way of the public highway namely the B4105 (LAVENDER HALL LANE) which leads to Berkswell and Balsall Common. For further details see Appendix I and II.

2. GENERAL DESCRIPTION

- 2.1 The site has an area of approximately 10 acres and has been in poor agricultural condition due to the lack of top soil and the lack of drainage consequential of naturally occurring clay near the surface.
- 2.2 The site would therefore benefit from the raising of levels, in the central area of the site, to approximately 50.00 A.O.D. post settlement.
- 2.3. In keeping with modern landfill practice this landform will reduce infiltration and create and improve the agricultural potential of this area.
- 2.4 The site shall accept controlled waste of the type described as dry solid non-hazardous waste comprising of builders rubble which include bricks, mortar, concrete, other similar materials.
- 2.5 Other wastes are which can be accepted are inert such as excavation materials, weathered road plainings, glass or materials of a similar nature, but will excluded specifically plasterboard.
- 2.6 If any other materials are included in waste deposited at the site they will only constitute an admixture, namely between 5% of total waste input. If this is exceeded the materials will be sorted or refused entry or reloaded whichever is the most appropriate action at the time.
- 2.5 Apart from the above all wastes accepted will be in line with the current planning permissions.



3. INFRASTRUCTURE

3.1 ACCESS

3.1.1. Access to the site will be by the existing bellmouth constructed to converge with the public highway (B4105) Lavender Hall Lane.

3.2 MAIN SITE ROAD

3.2.1. The existing road will be maintained for a distance of 20m from the kerb line with the public highway. For further details see drawing reference No 1983/4 and 1983/2.

3.2.2. The road surface will be repaired and maintained as necessary. Potholes will be infilled with consolidated clean hardcore or sub-base. A stockpile of suitable material will be maintained for this purpose.

3.3 SUBSIDIARY SITE ROADS

3.3.1. From the end of the access road an internal site road will be provided to the general area of the phased landfill.

3.3.2. This will be constructed of consolidated brick hardcore or tarmac plainings (laid on terram if necessary) and will be maintained in suitable condition with road making materials, excluding demolition material containing reinforced concrete, which will be delivered to the site in the course of operations. Further details are shown on drawing reference No 1983/2.

3.4 WHEEL CLEANING

3.4.1. A wheelcleaner will be installed , if necessary, for all outgoing vehicles to ensure that the public highway is kept free from any mud or debris.

3.4.2 The wheelcleaner will comprise a series of shaker bars similar to that of a cattle grid. For location please see drawing reference No 1983/2.

3.4.3. This will be maintained in an efficient working order and reviewed in a daily basis. Any build-up of material will be removed, but under normal conditions this would not be envisaged due to routine cleaning on weekly basis.

3.4.4. Should circumstance necessitate appropriate street cleaning equipment will be hired, on an ad hoc basis, to supplement the above. .

3.5 OFFICES AND BUILDINGS

3.5.1. Office accommodation will be provided in the form of a site office/reception of Portakabin type construction.

3.5.2. The office will be provided with heat, light, water, protective clothing and a first aid kit . Other facilities such as telephone and toilet will be available at the adjacent house although other arrangements may be made if deemed necessary by the operator.

3.5.3. The location of the office will be at an appropriate distance from the entrance in order to observe vehicle movements both on-site and on the access road. For further details see drawing reference No 1983/2.

3.5.4. All relevant documentation will be displayed prominently in this site control office.

3.6 MOBILE PLANT AND FUEL STORAGE

3.6.1. A tank of 2000 litres capacity(Appendix V) will be provided at the location shown on drawing reference No 1983/2.

3.6.2 The tank will be placed on a suitable stand which will form a bund capable of holding 110% of the capacity of the tank. Instructions will be given to negate any possible effects of spillage.

3.6.3. Oil will be stored in a secure location to prevent unauthorised access and to allow any possible effects of spillage to be minimised and collected. This will be probably outside the licensed area.

3.6.3. Mobile plant will be parked adjacent to the fuel storage area or if necessary outside the licensed area in a secure building near to the adjacent house.

3.7. SITE NOTICE BOARD

3.7.1. Erected in a prominent position the site identification board will be constructed of durable material and will detail the following :-

- a) Site Name
- b) Site Licensing Authority
- c) Site Licence Holder
- d) Opening Times
- e) Emergency Telephone Numbers :-
 - i) Licence Holder
 - ii) Licensing Authority

4. FENCING AND BOUNDARIES

4.1 SITE SECURITY AND BOUNDARIES

4.1.1. Due to the nature of this landfill operation, the site will be monitored more closely than probably any other in the area. This is because of proximity of the operator's premises and the availability of personnel to observe and monitor the site inside and outside working hours any security problems will be minimised. In addition there are existing security cameras and floodlights strategically placed on site.

4.1.2. The boundaries around the perimeter will be maintained and enhanced by the creation of mounds around part of the site this will not only provide a barrier to entry but also screen the operation.

4.1.3. Signs will be positioned on or near the boundary of the site. These will comply with current legislation, to indicate the warnings appropriate to the activities of the site. Spacings will be at 100 metres and/or at suitable vantage points on the perimeter.

4.2 FENCING

4.2.1. The existing barriers to entry will be maintained in line with the rural nature of the location. This will take the form of a stockproof fence where no other barrier exists.

4.2.2. The perimeter will be inspected during each working day to ensure barriers to entry are in place and if repairs are necessary. If damage is observed then repairs will be undertaken. All such inspections and observations will be noted in the site dairy.

4.2.3. The existing access from Lavender Hall lane will be retained and it is already fitted with steel security gates (5m x 1.5m) which will be locked when the site is non-operational.

5. RECEPTION AND CONTROL

5.1 On access to the site all vehicles / visitors / customers will be directed to the site control office. This will be indicated on a suitable sign erected and positioned at a prominent position near the entrance to the site.

5.2. GENERAL CHECKING/TICKET ISSUE

5.2.1 A member of staff will be employed to inspect (as far as reasonably practicable) all loads on arrival and to issue appropriate tickets and control movements of vehicles to the working area.

5.2.2. Inspection of all loads prior to unloading will not be possible therefore such loads will be inspected at the working area after unloading or by a vehicle marshall if one is employed. There will be random spot checks carried out by the owner and /or his representative notionally twice a week. These checks will be recorded and appropriate action may be taken.

5.2.3 A Visitors Book will be kept and all visitors will be required to report to the office and be signed in.

5.3 REJECTION OF MATERIALS

5.3.1. The circumstances whereby vehicles may be refused entry are as follows:-

5.3.1.1 Rejection during initial inspection.

- a) Unpermitted waste
- b) Exceed daily input
- c) Operational reasons
- d) Commercial reasons

5.3.1.2 The site staff will inform the Owner who will, as soon as possible :-

- a) Inform the customer
- b) In the case of Unpermitted waste inform the Waste Disposal Authority.
- c) Remove the waste off-site for disposal elsewhere or deposit the waste with the consent of the Waste Disposal Authority.

5.3.2 The machine operator at the working face will be fully briefed as to the materials licensed to be deposited on site and will be under instruction to inspect each load, as soon as possible , as it is unloaded and to report any irregularity to the site owner so that appropriate action can be taken. This will involve the following, if Unpermitted waste is discovered.

- i) Isolate load or item in the working area.
- ii) Inform the owner.

5.3.3 In consultation with the Waste Disposal Authority appropriate action will be taken. These actions will typically involve one or more of the following:-

- a) overnight parking in a secure area.
- b) Deposition with the consent of the W.D.A.
- c) Return to the waste producer.
- d) Removal from site and deposition at an appropriately licensed facility.
- e) For small quantities, storage on-site in a identifiable container until disposal is arranged.

6. VEHICLE CIRCULATION

6.1 VEHICLE CIRCULATION ROUTES

6.1.1. All vehicles will be informed, on entry, of the circulation route.

6.1.2. The route to the working phase of landfill operation will be clearly signposted.

7. GAS MANAGEMENT

7.1 Due to the nature of wastes that will be deposited and the landform created by the landraising activity, significant landfill gas generation will not be anticipated. With this in mind the site will be monitored on a monthly basis using appropriate portable gas detection equipment for concentrations of methane , carbon dioxide and oxygen. Background levels of gases will be established prior to any deposit of waste. Equipment used will be of the type detailed in WMP No 27.

7.2. Seven gas monitoring points are constructed around the site at positions shown on drawing Reference No 1983/1.

7.3 In order to control the small amount of landfill gas anticipated a total of three Gas Vents will be constructed across the centre of the site. These vents will also be monitored on a monthly basis.

7.4 Records of all gas monitoring will be kept on site and will be despatched to the Authority each month. See Appendix III.

8. LEACHATE MANAGEMENT

8.1 GENERAL

8.1.1 One monitoring point will be constructed within the main body of the site at the lowest available point. This will be used for the monitoring leachate level and quality within the site. A sample of leachate will be taken, if available, every six months and an analysis will be undertaken to establish quality.

8.1.2. In order to ensure that leachate is kept to a minimum the following steps will be taken:-

- a) Small working phases will be constructed during the site's operation
- b) Spraying of leachate will be undertaken if necessary, to reduce any build-up.
- c) Leachate will be removed from the site , if necessary by Tanker to an appropriate treatment centre

8.2. GROUND WATER

8.2.1 The outer monitoring points will be sampled on a quarterly basis and if samples are available they will be analyzed and the results will be forwarded to the Authority once the are received.

9. GENERAL OPERATIONS

9.1 The site will be operated in phases as shown on drawing reference No 1983/2.

9.1.1 Within each phase deposition will take place within bays generally of 2.5m maximum height formed from inert materials. Such bays will not be more than 25m wide and will thus define the working face. Landfilling will take place in one bay at a time unless a specific area is set aside for deposit of inert materials or an individual waste stream in which case the number of working areas will change. Other bays will be blocked to prevent access.

9.2 METHOD OF LANDFILLING

9.2.1 Materials will either be deposited at the base of the working face, spread and compacted, or deposited at the top of the face (which will not be more than 2.0m in height) spread down the face which will be no steeper than 1 in 3, at the end of the working day. The precise method will depend on the plant in use at any one time. Flanks will be treated similarly unless landfilling is taking place adjacent to a pre-formed bund.

9.2.2. No waste other than wholly inert material will be deposited into standing water. Pumping will take place where necessary to de-water or maintain de-watering prior to the commencement of deposition within such areas.

9.2.3. Clean water will be pumped to stream in accordance with any consent to discharge while contaminated water will be dealt with in accordance with section 8.1.2.

9.2.4. Reclamation of materials would be considered if possible although in is not envisaged this will be conducted on a large scale.

9.2.5 A small container storage area will maintained on site and suitable ground conditions will be constructed.

9.3 DUST CONTROL

9.3.1. The entrance area and site roads will be sprayed with water to suppress dust when conditions necessitate. A bowser will either be maintained on site for this purpose or will be hired in as appropriate.

9.3.2. The working areas of the site will also be sprayed when necessary although this will be minimised to reduce infiltration through the waste. Therefore waters collected on site will be considered for this purpose.

9.4 HOURS OF OPERATION

9.4.1. The site will be open for the deposits of waste between the following hours :-

Monday to Friday 8.00 hrs to 18.00 hrs

Saturday 8.00 hrs to 13.00 hrs

There will be no deposit of waste outside these hours unless with the written permission of the Authority. Similarly there will be no deposit of waste on any Sunday or Bank Holiday.

9.4.2. Waste will not be accepted for deposit during the hours of darkness unless suitable flood lighting is provided to illuminate the current working area. The hours of darkness will be determined by reference to information published by the Science and Engineering Research Council.

9.5 RECORD KEEPING

9.5.1. Inputs of waste will be recorded on a daily basis and forwarded to the authority at agreed intervals. The records taken will show :-

- a) The types and quantities of waste based on the nominal volume of each vehicle.
- b) The registration numbers of each vehicle.
- c) The name of the individual or company delivering waste to the site.

9.6 SITE STAFF

9.6.1. The site will be manned by a suitably experience site foreman who will be fully briefed as to the requirements of the site licence. There will be a minimum of two staff at all times.

9.6.2. The Owner or his representative will visit the site every day

9.7 MOBILE PLANT

9.7.1. Appropriate mobile plant will be employed to handle waste delivered to the site and due to the types of waste it is envisaged that an excavator and dozer will be correct for this site.

9.7.2. In case of breakdown of both machines the site will close until repairs have been undertaken. This action will be considered if only one machine is operational.

9.7.3 Other machines will be hired in if repairs cannot be affected or there are other works to be undertaken.

9.8 LITTER AND PEST CONTROL

9.8.1. Litter will not be a concern at the site due to the types of waste to be deposited, however if any materials become windblown or leave the site steps will be immediately taken to collect the materials. Any materials collected will be deposited at the foot of the working face and suitably heavy material will be placed to ensure the materials are secured.

9.8.2. Major pest control will be undertaken by a specialist outside contractor. If any flies or smells arise during the operation of the site then an application of a proprietary brand of insecticide or odour combatant will be undertaken by use of a backpack spray.

All treatments will be conducted using the best techniques to ensure the health and safety of all concerned.

9.9 FIRE PRECAUTIONS

9.9.1. No wastes shall be burned on site.

9.9.2. Any outbreak of fire will be treated as an emergency and the Fire Brigade and the Authority will be informed. In the event of fire the site mobile plant will be made available to the emergency services.

9.9.3. Both the site office and the site machine will be fitted with a fire extinguisher.

10. RESTORATION

10.1 The restoration of the site shall take place progressively once levels are attained to ensure final contours are achieved. For further information see Drawing reference No 1983/1 and 1983/3.

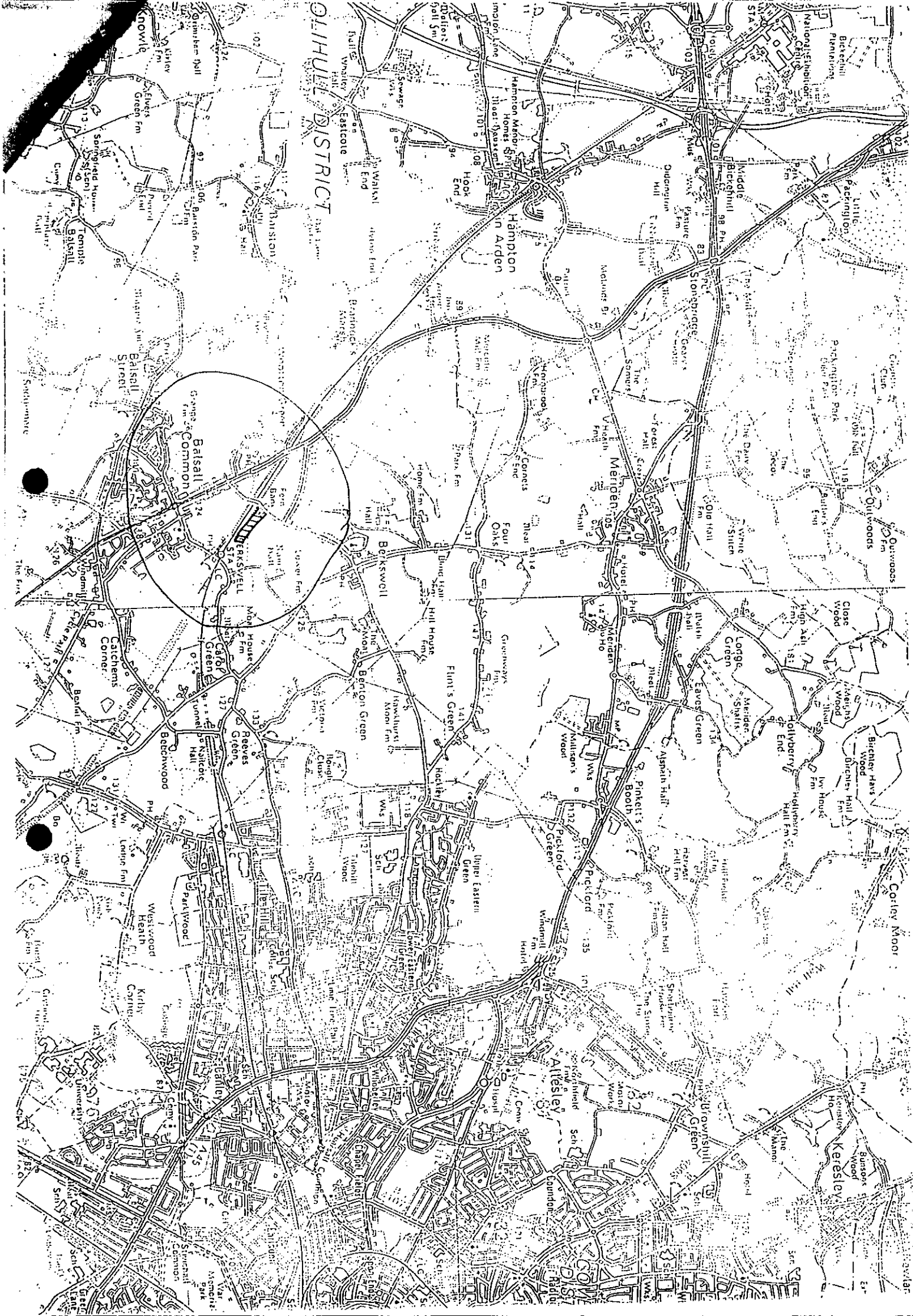
10.2 The progress of restoration will generally follow the phased programme of infilling detailed in Drawing reference No 1983/2.

10.3 Due to nature of materials used to achieve the final contours there is no essential requirement for capping but it is realised the site would benefit from utilisation of imported low permeability material, if available, being incorporated into the final compacted cover and therefore forming an primary barrier to reduce infiltration.

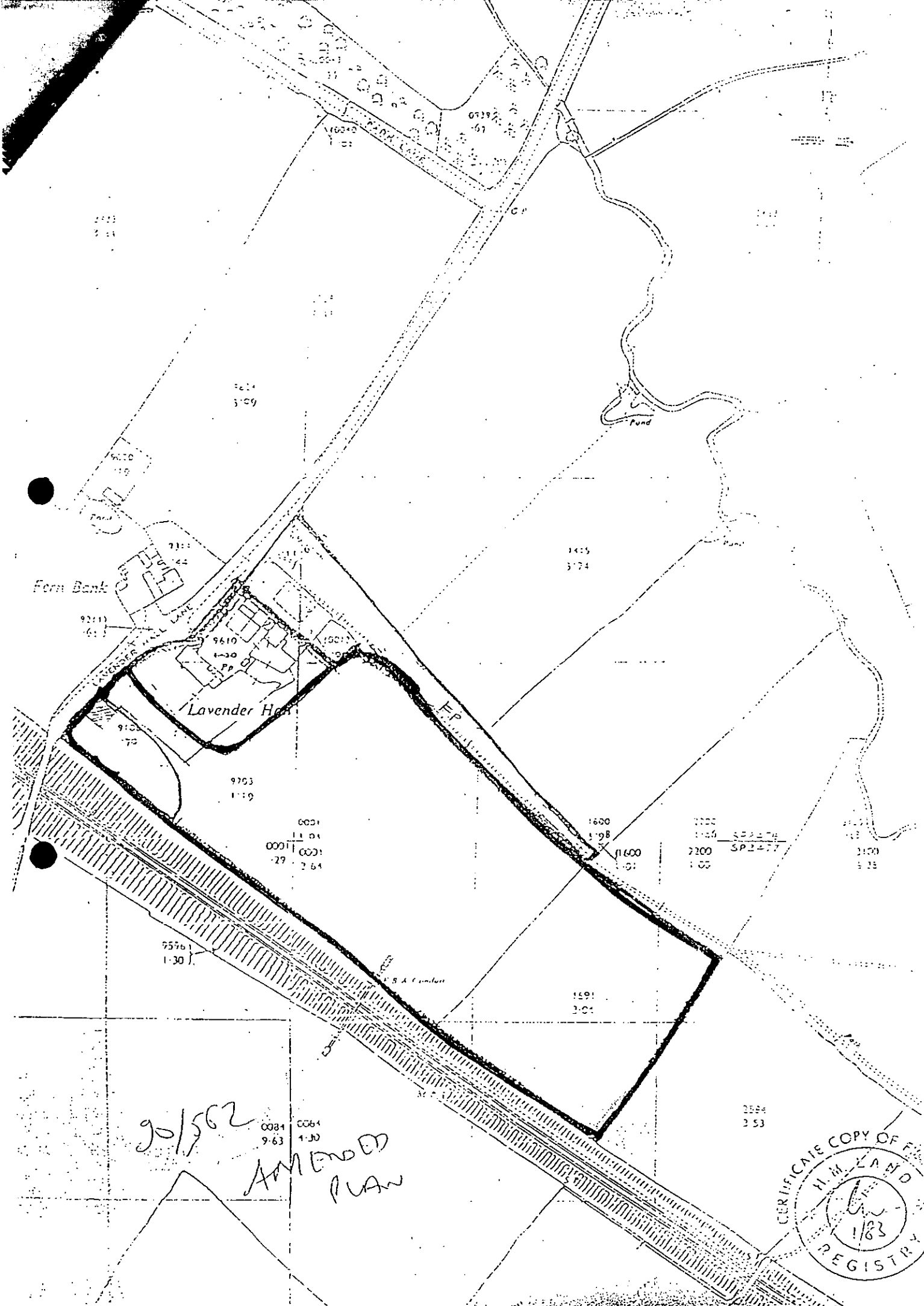
10.4 The settlement expected at the site is in the range 5%-10% but as settlement will be on going it would be anticipated to be more specifically identified by surveys conducted as infilling proceeds.

10.5 The final contours of the site will be attained by spreading a layer of soil capable of promoting plant growth and therefore returning the land to agricultural use. It is anticipated to use 0.5m sub-soil and 0.3m top-soil or a suitable alternative.

APPENDIX I



APPENDIX II

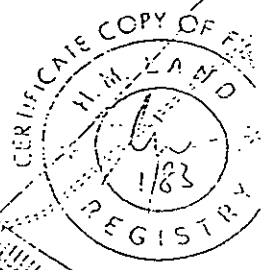


Fern Bank

Lavender Hall

90/562

AMENDED
PLAN



APPENDIX III

LANDFILL GAS RECORD

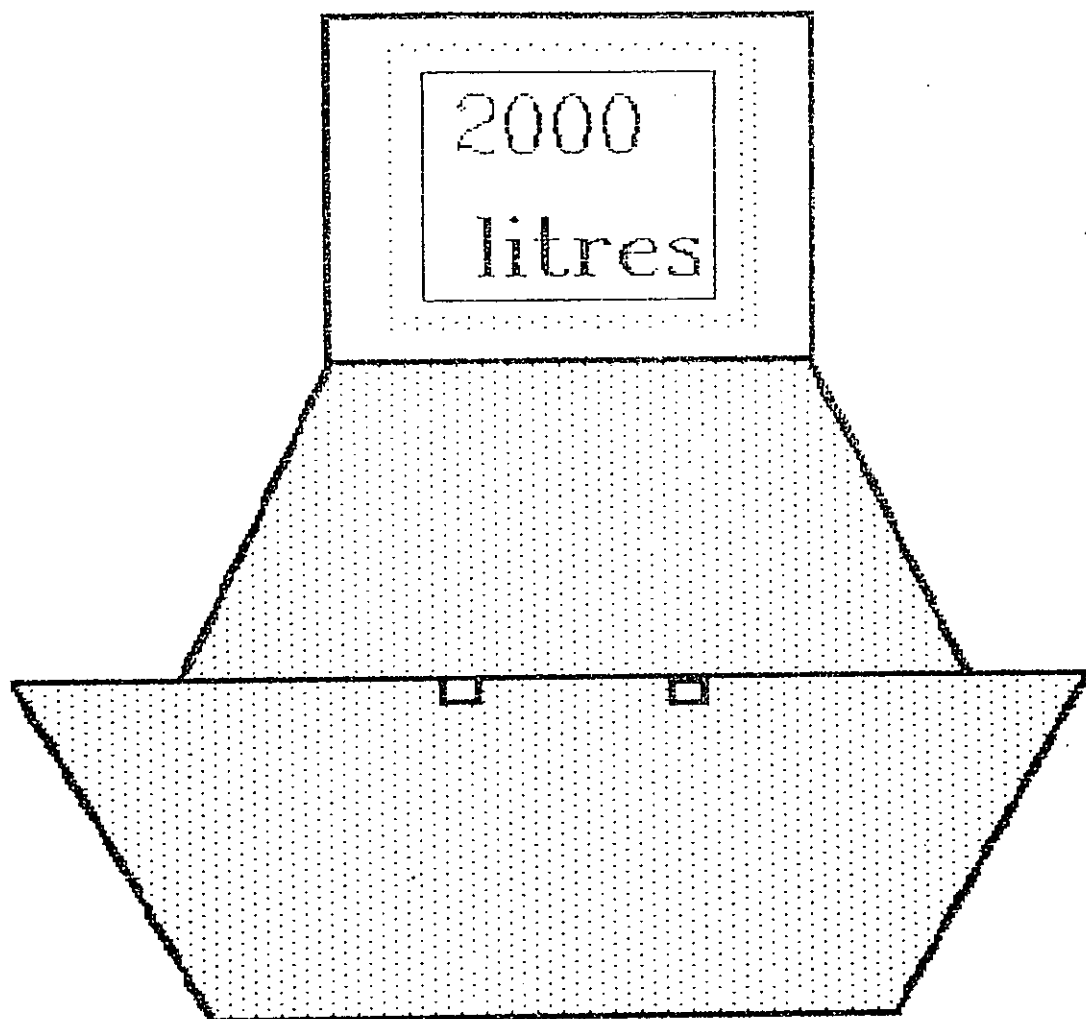
[illegible]

*Weather details should include:

barometric pressure, rainfall (dry, heavy or light rain), wind conditions

APPENDIX IV

APPENDIX V



FUEL STORAGE TANK

FOR

MID-CITY LANDFILL

LAVENDER HALL

Conditions for Waste Wood Storage
and Processing Facility on Land at:-

Kenilworth Road
Hampton in Arden
West Midlands
B92 0LG

Licence Holder:-

Mr Raymond William Wilcox
(trading as Lincoln Farm Cate)
Kenilworth Road
Hampton in Arden
West Midlands
B92 0LG

Licence No:-

SL 1166

Schedule A

- 1.(a) The statement of intended methods of operation and accompanying drawings contained in the letter headed "Delivery of Wood At Above Address" dated 11th January 1993 submitted as part of the application for this licence shall be referred to as the working plan.
- (b) No operations shall take place at the facility unless the working plan has been approved in writing by the Waste Disposal Authority ('the WDA').
- (c) Any proposed change in the working plan shall be notified in writing to the WDA and the proposed change shall not be implemented until it has been approved in writing by the WDA.
- (d) Any reference in this licence to the working plan shall include a reference to any changes to the statement or the drawings which have been approved in writing by the WDA.
- (e) Subject to the terms of this licence, the facility shall be operated in accordance with the working plan.
- 2.(a) The type of waste deposited and stored at the facility shall consist only of pre-cut wood.
- (b) The type of waste disposed of at the facility shall consist only of pre-cut wood.
- (c) Notwithstanding the above, waste shall only be deposited at the facility when sufficient storage capacity is available within the wood storage area detailed in the working plan.
3. Waste shall only be stored in the wood storage area detailed in the working plan. This area shall be clearly marked to define its boundaries and waste shall not be stored to a height greater than 2 metres.
4. Waste shall only be disposed of by incineration using the plant specified in the working plan.
5. Provision shall be made for the storage and subsequent disposal of wastes generated and residues arising as a result of operations detailed in the working plan.

6. Waste shall be deposited at and removed from the facility only on Mondays to Fridays between the hours of 0800 and 1700 and on Saturdays between the hours of 0800 and 1200. Except in cases of emergency no deposit or removal of waste shall take place outside these hours or on Sundays, Bank Holidays, Christmas Day and other public holidays without the prior written approval of the WDA. All circumstances of emergency shall be reported forthwith to the WDA and confirmed in writing within 3 working days.
- 7.(a) Provision shall be made for dealing with any unacceptable waste inadvertently delivered to or left at the facility. The WDA shall be informed forthwith of any such occurrence.

(b) Unacceptable waste and any waste which is decomposing and liable to give rise to odours shall be removed from the facility as soon as practicable and in any case within 24 hours of receipt and taken to a suitable alternative licensed site for disposal. The WDA shall be informed forthwith of any such occurrence.
- 8.(a) The facility, when open for the receipt of waste or the removal of residues, shall be supervised by a minimum of one person.

(b) Supervisors shall be able to identify the types of materials permitted by this licence.

(c) Supervisors shall be capable of ensuring compliance with this licence and its conditions and shall be fully conversant with all safety and emergency procedures.
9. Gates, walls and/or fences shall be provided and maintained to prevent unauthorised access to and unlawful deposit of waste at the facility. Gates shall be locked when the facility is unattended.
10. The yard area shall be surfaced as detailed in the working plan and maintained in sound condition at all times.
11. Drainage facilities shall be provided and maintained so as to prevent the accumulation of surface water within the site; the pollution, by solid matter or otherwise, of any watercourse or sewer; and the spillage of contaminated water onto land outside the site. Any discharge to sewer shall have been previously agreed with Severn Trent Water Limited.
12. Spillages shall be contained and removed using absorbent material and taken to a suitable licensed site for disposal.
13. Within 3 months of the date of issue of this licence an identification board of durable material and finish shall be displayed at the entrance to the facility. This shall give the name, address and telephone number of the operator and of the WDA and a telephone number through which a responsible person may be contacted in the event of an emergency occurring when the facility is unattended.
- 14.(a) Plant shall be provided at the facility as detailed in the working plan.

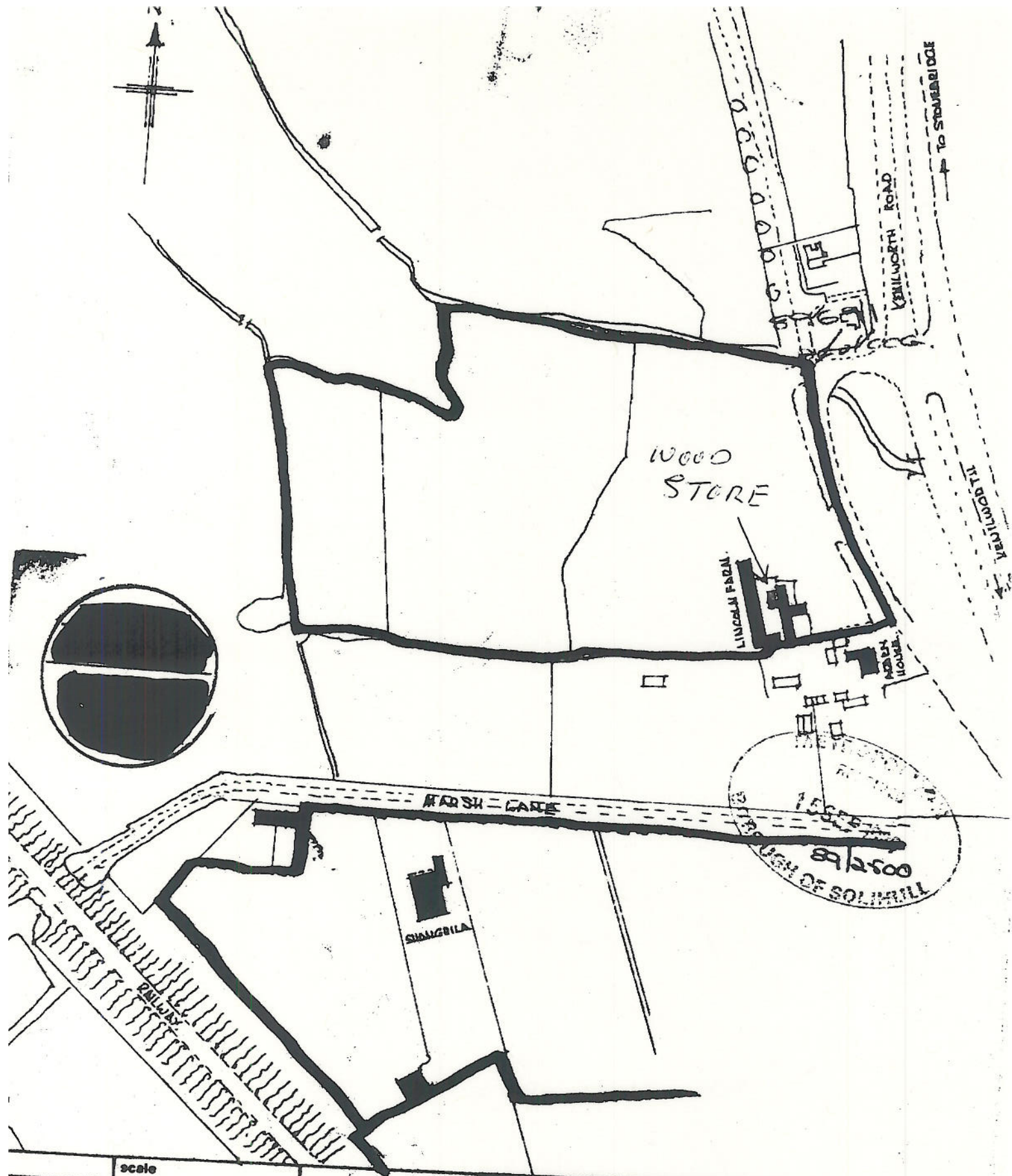
(b) Plant shall be used as detailed in the working plan and maintained in good working order at all times.

- (c) Waste liquids and those liquids used for the operation and maintenance of plant and equipment shall only be stored at the facility in tanks and drums of a type and construction suitable for the liquids they contain and labelled to show their contents. They shall conform to all relevant safety and construction standards.
- (d) Tanks and drums shall be contained within bunded compounds which shall have an impermeable internal surface and have a minimum available capacity not less than 110% of the volume of the largest tank or drum within the bunded compound. Spillages in bunded compounds shall be removed forthwith and rainwater shall not be allowed to accumulate. All inlet/outlet/vent pipes and gauges shall be within the bunded compound.
- 15. The WDA shall be informed forthwith of any plant or vehicle breakdown or emergency at the facility which requires the implementation of standby operating and disposal arrangements and this shall be confirmed in writing within 3 working days. A record of the time and date of any such breakdowns or emergencies shall be kept at the facility and this shall be made available to any representative of the WDA for inspection at the facility at any reasonable time.
- 16. No waste shall be disposed of by fire within the boundaries of the facility, other than as part of the process specified in the working plan. Any such fire shall be treated as an emergency and immediate steps shall be taken to extinguish it. All such fires shall be reported to the Fire Service and WDA immediately. Fire fighting equipment shall be provided and regularly maintained.
- 17. Measures shall be taken to inspect for and deal effectively with any vermin and insects at the facility. A record shall be kept of any treatment undertaken.
- 18. Measures shall be taken to prevent dust, grit and odours at the facility.
- 19. The facility and its immediate environs shall be kept clean and tidy at all times. Loose material shall be collected up and disposed of whenever necessary and as requested by the WDA.
- 20. Measures, including proper use and maintenance, shall be taken to control the noise of plant operating at the facility.
- 21. Provision shall be made to allow safe access to all areas of the facility at all reasonable times by representatives of the WDA for the purposes of monitoring the facility.
- 22. A record summarising the quantities of waste deposited at and materials removed from the facility shall be kept in a form specified by the WDA. Copies shall be sent to the WDA once a month or at a frequency specified by the WDA. These records and those detailed in the working plan shall be made available to any representative of the WDA for inspection at the facility at any reasonable time.
- 23. Any cessation of operations for a period in excess of 3 months shall be notified to the WDA. Not less than 14 days notice shall be given to the WDA of the date on which operations are to re-commence.

24. A copy of any notice or instruction received from any authority other than the WDA which in any way relates to the use of the facility shall be given to the WDA within 3 days of the receipt of such notice or instruction.
25. The terms of this licence and the approved working plan shall be made known to any person who is given responsibility for the management or control of the facility and a copy of these documents shall be available at the facility at all times.

Schedule B

1. In this licence, an emergency is defined as a case where a person has reasonable cause to believe that circumstances exist which are likely to endanger life or health or cause damage to property or pollution of water.
2. A representative of the WDA shall include any officer of the Environmental Health and Trading Standards Department and any officer of the West Midlands Hazardous Waste Unit.
3. In this licence, forthwith and immediately shall mean as soon as practicable.



scale

1: 2500

date

21/8/89

drawn by

AGD

checked by

**ALAN DOUGLAS
PARTNERSHIP**
Chartered Architects
29 Chester Road Castle Bromwich
West Midlands B36 9DA Tel: 021-749 2281

METROPOLITAN BOROUGH OF SOLIHULL

ENVIRONMENTAL HEALTH AND TRADING STANDARDS

Trader/ Occupier	Name	Mr. L. L. L.			Telephone Number	
	Address	Lincoln Farm Cape King North H. L. L.				
Subject/Nature of Complaint		Application for liquor license.				
Complainant/ Applicant	Name				Telephone Numbers	
	Address				Home	
					Work	
When available						
Other details					Reviewed by: Date	
Date received		Received by		Computer Ref.No.		
Section referred to		How received (L.T.P.O)		Grid Reference		
Complaint Code		Number of visits		Date resolved		
Unless otherwise indicated this job is to be handled in accordance with procedures SER-OIA to SER-13 inclusive				Signature		

Signed:-

[illegible]

Solihull Metropolitan Borough Council

Environmental Health & Trading Standards

Your Ref: WILCO

H.W.U. 1

DISPOSAL LICENCE APPLICATION FORM.

Note: Before providing the particulars required in Parts I, II and III and signing the Declaration at the end of this form, applicants should read the guidance notes in Appendix A.

Page 1 of 5

PART I

1. Name and address of person or persons proposing to operate the facility.	<u>R. W. WILCOX</u>
	<u>LINCOLN FARM</u>
	<u>CAFE</u>
	<u>KENILWORTH RD</u>
	<u>HAMPTON in BRISTOL</u>
	<u>WEST MIDLANDS</u>
Telephone Number:	Post Code <u>B92 0LG</u>
2. Name and address of agents if application signed by agents.	
Telephone Number:	Post Code
3a. Address or location of the facility in sufficient detail to enable it to be readily identified, and <u>grid reference</u> of the <u>facility</u> .	
	<u>LINCOLN FARM</u>
	<u>CAFE</u>
	<u>KENILWORTH RD</u>
	<u>HAMPTON in BRISTOL</u>
Telephone Number:	Post Code <u>B92 0LG</u>

SLUDGES
(tonnes)

SOLIDS
(tonnes)

Code of Waste

[illegible]

(See Note v,
Appendix A)

Name of Site: _____

Applicant: _____

Date Part I submitted: _____

Your Ref: _____

H.W.U. Ref: _____

	LIQUIDS (tonnes)	SLUDGES (tonnes)	SOLIDS (tonnes)
13. Estimated maximum quantities of general waste of the following descriptions delivered or to be delivered daily at the facility (i.e. excluding those wastes to which question 6 applies).			
(i) Domestic and commercial waste:			
(a) untreated			
(b) pulverised and/or composted			
(c) baled			
(d) incinerator residues			
(ii) Medical surgical and veterinary wastes			
(iii) Non hazardous industrial wastes			
(a) potentially combustible substances			8 TON
(b) inert and non flammable substances			
(iv) Wastes from the construction			
(v) Old cars, vehicles and trailers			
(vi) Sewage sludge and pail closet contents, etc.			
(vii) Mine and quarry waste*			
(viii) Farm waste*			
(See Note iv. Appendix A)			

* Particulars of these wastes are required for information purposes and only when they are being disposed of at sites accepting wastes listed in categories (i) - (vi).

3b. Are you the estate owner in respect of the fee simple of all the land to which this application relates.

YES

3c. If the answer to (b) is 'No' please state the nature of your interest in the land and if you have a tenancy give the name of your landlord and state the period for which your tenancy remains unexpired.

3d. If you do not have an interest in the land as expressed in (b) and (c) above, please give the name and address of the owner of the land and state whether you have informed the owner of this application.

4. Nature of facility (please indicate by a tick)

A. LANDFILL SITE

.. ☐

B. TRANSFER STATION
INCORPORATING ALSO

.. ☐

(i) STATIC COMPACTION

.. ☐

(ii) PULVERISATION

.. ☐

(iii) BALING

.. ☐

C. TREATMENT PLANT INVOLVING

(i) PULVERISATION

.. ☐

(ii) COMPOSTING

.. ☐

(iii) INCINERATION

.. ☒

(iv) CHEMICAL TREATMENT

.. ☐

(v) OTHER TREATMENT
(SPECIFY)

(See Note i,
Appendix A)

5. Brief description of the types of general wastes accepted or to be accepted at the facility (i.e. excluding those wastes to which question 6 applies.)

(See Note i,
Appendix A)

WOOD

6. Are any of the categories of difficult waste listed in Appendix B accepted or likely to be accepted.
(Indicate by a tick in the box provided)

YES ☐NO ☒

(See note iii, Appendix A)

7. Hours of operation

Time of opening

Time of closing

Total Hours per week

WeekdaysSaturdaysSundays8 AM.8 AM5 pm.12 pm.49 hours

8. Capacity or remaining capacity of the facility. (Special in cubic metres for landfill sites and tonnes per hour for treatment plants).

N.A.

BURNS APPROX 270N Wt

9. Estimate of useful life or remaining useful life of the facility.

N.A.

10. Current status of facility under planning law indicate by a tick)

(a) Planning permission applied for

Date _____

(b) Planning permission granted
(Please quote reference no(s))

(c) GDO permission

.. ☐

(d) No planning permission required

.. ☒

(e) Planning permission for surface mineral extraction including restoration conditions requiring the use of waste material. Please quote reference no.

.. ☐

Attach copy of any existing specific planning permission or reasons why none is required. Categories (d) and (e)

11. Date use of facility commenced or is anticipated to commence.

1976,


12. Proposed final use of the site and likely commencement date for such use. (This applies to landfill ssites only. Where no decision has been taken on the final use of the site this should be stated).

N . A .

DECLARATION.

NOTE. Applicants are reminded that under Section 5(6) of the Control of Pollution Act, 1974, it is a criminal offence for an applicant to make a statement which he knows to be false in a material particular or to recklessly make any statement which is false in a material particular.

I/We hereby apply for permission to carry out waste disposal operations as described in Parts I and II of this application and in the attached plans, drawings and statement required by Part III.

Date 19/8/92 Signed 
Designation

THE COMPLETED FORMS SHOULD BE FORWARDED TO:

Director of Environmental Health & Trading Standards
Solihull Metropolitan Borough Council
P.O. Box 24
Council House
Solihull
West Midlands
B91 3EG

- (v) provision being made for dealing with unacceptable wastes delivered inadvertently or left at the facility and standby operating and disposal arrangements to be implemented in the case of a breakdown or other emergency situations developing at the facility.

REMOVED BY DELIVERY VEHICLE

- (vi) maximum quantities of wastes and residues to be stored at the plant at any one time.

APPROX - 8 TON.

- (iii) methods of storage of wastes awaiting treatment at the facility and residues awaiting removal for disposal elsewhere;

CONCRETE BASE CLOSE TO BOILER.

- (iv) names and locations of sites where residues are being taken for final disposal;

The accompanying statement as well as giving details of the number and the status of people being employed to operate the facility should, where relevant, give an indication of the following:-

- (i) provision being made for recording intake and output at the facility including details of materials or resources recovered, recycled or otherwise utilised, e.g. generation and use of heat;

DAILY WORK BOOK USED FOR DATE OF DELIVERY
A TIME OF DELIVERY.

- (ii) instrumentation being provided to ensure that a satisfactory method of treatment is maintained at the facility and to warn of malfunctions;

N.A:

- (vii) steps being taken to avoid spillages and such nuisances as noise, fumes, dust, grit, and odours;

N.A -

- (viii) indication of any other steps being taken to ensure that the facility and its immediate environs are kept clean and tidy and that both it and its operation are aesthetically compatible with the surrounding area;

YARD KEPT CLEAN BY SWEEPING.

15. Names and Addresses of principal firms or organisations delivering or likely to deliver waste at the facility.

.....CHERRAWAY LTD.....

.....COVENTRY ROAD.....

.....SMALL HEATH - BIRMINGHAM.....

.....

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	TOTAL %	LIQUID	SLUDGE	SOLID
<p>16. Estimated of the percentage of waste originating or likely to originate from outside the boundary of the disposal authority.</p> <p>(See Note vi, Appendix A)</p>				
	NOT KNOWN.			
<p>17. Current or anticipated maximum rate of use of the facility. (Specify as tonnes per day for landfill sites and tonnes per hour for treatment plant).</p>	APPROX ONE TON PER HOUR.			

N.B. Your attention is drawn to the declaration required from you at the end of Part III.

SOLIHULL METROPOLITAN BOROUGH COUNCIL

CONTROL OF POLLUTION ACT 1974

DISPOSAL LICENCE

Solihull Metropolitan Borough Council in pursuance of the powers conferred by the Control of Pollution Act 1974, hereby license Mr Raymond William Wilcox (trading as Lincoln Farm Cafe), Kenilworth Road, Hampton in Arden, West Midlands, B92 0LG (hereinafter called the "licence holder") to deposit, store and dispose of waste on land at Kenilworth Road, Hampton in Arden, West Midlands, B92 0LG which is shown edged red on the drawing attached to this licence, being land occupied by the licence holder.

This licence is granted subject to the conditions set out in the schedules attached hereto.

Dated this

23 JUL 1993

day of

19

Signed

Bosford

Director of Environmental Health and Trading Standards

The licence holder's attention is drawn to the notes overleaf.

NOTES

These notes are for general guidance only and they do not constitute an authoritative statement of the law.

This licence permits the storing and incineration of waste wood and is not intended to permit the sorting, storing, transfer or treatment of any waste except to the extent expressly referred to in the Schedules.

Definitions of certain words and phrases used in this licence are to be found in Schedule B of this licence.

This licence relates only to the requirements of the Control of Pollution Act 1974 for the deposit of waste and the use of plant or equipment subject to the conditions set out in the Schedules and does not constitute a consent required by any other legislation. In particular it is the responsibility of the licence holder to comply with any requirements of the Health and Safety at Work etc Act 1974, the Radioactive Substances Act 1960, the Town and Country Planning Acts, and all relevant water protection and environmental health legislation.

If the licence holder ceases to occupy the land specified above, then he may transfer the licence to the new occupier after giving notice to the Waste Disposal Authority who has the right to decline to accept the new licence holder.

If the licence holder wishes to cancel this licence, he must return it to the Waste Disposal Authority together with a notice stating he no longer requires the licence. Cancellation of the licence will not affect any outstanding liability of the licence holder under the conditions of the licence.

Contravention of Licence Conditions

Your attention is drawn to the provisions of Sections 3, 9 and 16 of the Control of Pollution Act 1974.

Section 3

Prohibits under penalty the deposit of waste, or the use of plant or equipment, otherwise than in accordance with the terms of a licence. This Section applies to all the conditions contained herein, including any which may be the subject of appeal to the Secretary of State under Section 10 of the Act.

Any deposit which takes place without compliance with all the licence conditions may lead to prosecution under this Section. A person who contravenes Section 3 subsection (1) shall, subject to subsection (4), be guilty of an offence and liable on summary conviction to a fine of an amount not exceeding £5,000 (at the date of issue of this licence), or on conviction on indictment to imprisonment for a term not exceeding two years or a fine or both.

Section 9

Non compliance with any licence conditions may lead to the revocation of this licence.

Section 16

The licensing authority is empowered to require the removal of any controlled waste deposited in circumstances where any of the conditions contained in this licence are not being complied with, or the undertaking of such works as are required to reduce or eliminate the consequences of such deposits.

Conditions for Waste Wood Storage
and Processing Facility on Land at:-

Kenilworth Road
Hampton in Arden
West Midlands
B92 0LG

Licence Holder:-

Mr Raymond William Wilcox
(trading as Lincoln Farm Cate)
Kenilworth Road
Hampton in Arden
West Midlands
B92 0LG

Licence No:-

SL 1166

Schedule A

1. (a) The statement of intended methods of operation and accompanying drawings contained in the letter headed "Delivery of Wood At Above Address" dated 11th January 1993 submitted as part of the application for this licence shall be referred to as the working plan.
- (b) No operations shall take place at the facility unless the working plan has been approved in writing by the Waste Disposal Authority ('the WDA').
- (c) Any proposed change in the working plan shall be notified in writing to the WDA and the proposed change shall not be implemented until it has been approved in writing by the WDA.
- (d) Any reference in this licence to the working plan shall include a reference to any changes to the statement or the drawings which have been approved in writing by the WDA.
- (e) Subject to the terms of this licence, the facility shall be operated in accordance with the working plan.
2. (a) The type of waste deposited and stored at the facility shall consist only of pre-cut wood.
- (b) The type of waste disposed of at the facility shall consist only of pre-cut wood.
- (c) Notwithstanding the above, waste shall only be deposited at the facility when sufficient storage capacity is available within the wood storage area detailed in the working plan.
3. Waste shall only be stored in the wood storage area detailed in the working plan. This area shall be clearly marked to define its boundaries and waste shall not be stored to a height greater than 2 metres.
4. Waste shall only be disposed of by incineration using the plant specified in the working plan.
5. Provision shall be made for the storage and subsequent disposal of wastes generated and residues arising as a result of operations detailed in the working plan.

6. Waste shall be deposited at and removed from the facility only on Mondays to Fridays between the hours of 0800 and 1700 and on Saturdays between the hours of 0800 and 1200. Except in cases of emergency no deposit or removal of waste shall take place outside these hours or on Sundays, Bank Holidays, Christmas Day and other public holidays without the prior written approval of the WDA. All circumstances of emergency shall be reported forthwith to the WDA and confirmed in writing within 3 working days.
- 7.(a) Provision shall be made for dealing with any unacceptable waste inadvertently delivered to or left at the facility. The WDA shall be informed forthwith of any such occurrence.

(b) Unacceptable waste and any waste which is decomposing and liable to give rise to odours shall be removed from the facility as soon as practicable and in any case within 24 hours of receipt and taken to a suitable alternative licensed site for disposal. The WDA shall be informed forthwith of any such occurrence.
- 8.(a) The facility, when open for the receipt of waste or the removal of residues, shall be supervised by a minimum of one person.

(b) Supervisors shall be able to identify the types of materials permitted by this licence.

(c) Supervisors shall be capable of ensuring compliance with this licence and its conditions and shall be fully conversant with all safety and emergency procedures.
9. Gates, walls and/or fences shall be provided and maintained to prevent unauthorised access to and unlawful deposit of waste at the facility. Gates shall be locked when the facility is unattended.
10. The yard area shall be surfaced as detailed in the working plan and maintained in sound condition at all times.
11. Drainage facilities shall be provided and maintained so as to prevent the accumulation of surface water within the site; the pollution, by solid matter or otherwise, of any watercourse or sewer; and the spillage of contaminated water onto land outside the site. Any discharge to sewer shall have been previously agreed with Severn Trent Water Limited.
12. Spillages shall be contained and removed using absorbent material and taken to a suitable licensed site for disposal.
13. Within 3 months of the date of issue of this licence an identification board of durable material and finish shall be displayed at the entrance to the facility. This shall give the name, address and telephone number of the operator and of the WDA and a telephone number through which a responsible person may be contacted in the event of an emergency occurring when the facility is unattended.
- 14.(a) Plant shall be provided at the facility as detailed in the working plan.

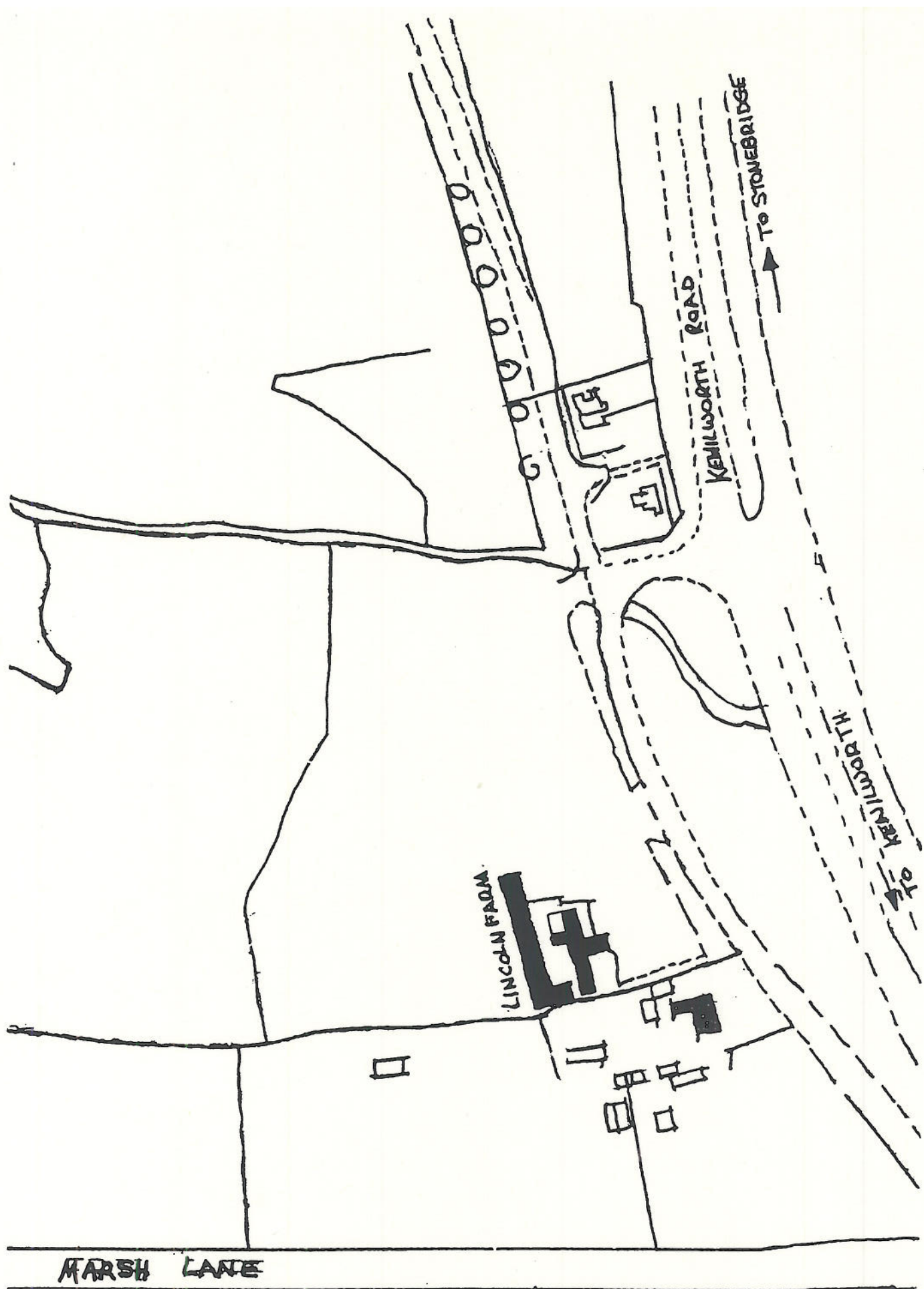
(b) Plant shall be used as detailed in the working plan and maintained in good working order at all times.

- (c) Waste liquids and those liquids used for the operation and maintenance of plant and equipment shall only be stored at the facility in tanks and drums of a type and construction suitable for the liquids they contain and labelled to show their contents. They shall conform to all relevant safety and construction standards.
- (d) Tanks and drums shall be contained within bunded compounds which shall have an impermeable internal surface and have a minimum available capacity not less than 110% of the volume of the largest tank or drum within the bunded compound. Spillages in bunded compounds shall be removed forthwith and rainwater shall not be allowed to accumulate. All inlet/outlet/vent pipes and gauges shall be within the bunded compound.
15. The WDA shall be informed forthwith of any plant or vehicle breakdown or emergency at the facility which requires the implementation of standby operating and disposal arrangements and this shall be confirmed in writing within 3 working days. A record of the time and date of any such breakdowns or emergencies shall be kept at the facility and this shall be made available to any representative of the WDA for inspection at the facility at any reasonable time.
16. No waste shall be disposed of by fire within the boundaries of the facility, other than as part of the process specified in the working plan. Any such fire shall be treated as an emergency and immediate steps shall be taken to extinguish it. All such fires shall be reported to the Fire Service and WDA immediately. Fire fighting equipment shall be provided and regularly maintained.
17. Measures shall be taken to inspect for and deal effectively with any vermin and insects at the facility. A record shall be kept of any treatment undertaken.
18. Measures shall be taken to prevent dust, grit and odours at the facility.
19. The facility and its immediate environs shall be kept clean and tidy at all times. Loose material shall be collected up and disposed of whenever necessary and as requested by the WDA.
20. Measures, including proper use and maintenance, shall be taken to control the noise of plant operating at the facility.
21. Provision shall be made to allow safe access to all areas of the facility at all reasonable times by representatives of the WDA for the purposes of monitoring the facility.
22. A record summarising the quantities of waste deposited at and materials removed from the facility shall be kept in a form specified by the WDA. Copies shall be sent to the WDA once a month or at a frequency specified by the WDA. These records and those detailed in the working plan shall be made available to any representative of the WDA for inspection at the facility at any reasonable time.
23. Any cessation of operations for a period in excess of 8 months shall be notified to the WDA. Not less than 14 days notice shall be given to the WDA of the date on which operations are to recommence.

24. A copy of any notice or instruction received from any authority other than the WDA which in any way relates to the use of the facility shall be given to the WDA within 3 days of the receipt of such notice or instruction.
25. The terms of this licence and the approved working plan shall be made known to any person who is given responsibility for the management or control of the facility and a copy of these documents shall be available at the facility at all times.

Schedule B

1. In this licence, an emergency is defined as a case where a person has reasonable cause to believe that circumstances exist which are likely to endanger life or health or cause damage to property or pollution of water.
2. A representative of the WDA shall include any officer of the Environmental Health and Trading Standards Department and any officer of the West Midlands Hazardous Waste Unit.
3. In this licence, forthwith and immediately shall mean as soon as practicable.



SITE LOCATION PLAN.

SL 1166

15298

R. W. Wilcox Limited

Directors : R. W. Wilcox. J. Wilcox

Telephone : Hampton-in-Arden 2301 & 2769

LINCOLN FARM
KENILWORTH ROAD
HAMPTON-IN-ARDEN
WARWICKSHIRE

WALSALL METROPOLITAN BOROUGH COUNCIL
TAMEWAY TOWER
BRIDGE STREET
WALSALL WS1 1DJ

11TH JANUARY 1993

FOR THE ATTENTION
MR L. VENTHAM

DEAR SIR

DELIVERY OF WOOD AT ABOVE ADDRESS.

PLANS

PART 1 AND 2 PLANS ENCLOSED.

PART 3 PLAN ENCLOSED.

1. SITE DEVELOPMENT.

NO DEVELOPMENT REQUIRED AS SITE IS ALREADY IN EXISTENCE.

2. MATERIAL TO BE HANDLED.

WOOD WILL BE THE ONLY MATERIAL BURNT AND THIS WILL ALREADY BE PRECUT.
NO EQUIPMENT WILL BE REQUIRED FOR THAT PURPOSE.

MAXIMUM QUANTITIES OF WOOD STORED WILL BE APPROXIMATELY 10 TON WHICH
SHOULD GIVE A USAGE TIME OF ONE WEEK.

3. DAY TO DAY HANDLING.

THE BOILER FOR WHICH THE WOOD IS USED AS A FUEL IS FOR SUPPLYING
HOT WATER FOR CENTRAL HEATING AND WASHING FACILITIES.
THE BOILER WILL BE MAINTAINED 24 HOURS A DAY.

5. PLANT ~~BREAK~~ DOWN.

IF WE SHOULD ACCRUE A BREAK DOWN OR IT WAS FELT THAT THIS METHOD OF
HEATING WAS NO LONGER REQUIRED THE SUPPLY OF WOOD WOULD BE STOPPED
IMMEDIATELY.

continued

R. W. Wilcox Limited

Directors : R. W. Wilcox. J. Wilcox

Telephone : Hampton-in-Arden 2301 & 2769

LINCOLN FARM
KENILWORTH ROAD
HAMPTON-IN-ARDEN
WARWICKSHIRE

continuation

6. ENVIRONMENTAL CONTROLS.

THE BASE FOR THE STORAGE OF WOOD IS CONCRETE AND WE CANNOT FORE SEE ANY PROBLEMS WITH VERMIN. SHOULD IT EVER BE FOUND NECESSARY WE WOULD CALL IN PEST CONTROL OR RENTAKILL.

NOISE.

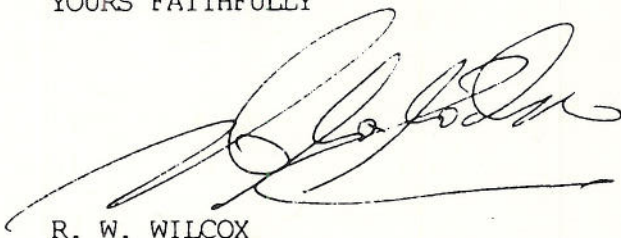
THERE WILL NOT BE ANY MECHANICAL MOTORS USED IN RUNNING THE BOILER AND NO NOISE ANTICIPATED.

7.. RECORDS.

A RECORD WILL BE KEPT OF ALL LOADS DELIVERD.

DELIVERY WILL BE DONE BY CLEARAWAY AND ANY DEBRIS (ASH'S) ECT WILL BE TAKEN AWAY BY CLEARAWAY. THIS WILL BE AN APPROXIMATELY WEEKLY BASIS.

YOURS FAITHFULLY

A handwritten signature in dark ink, appearing to be 'R. W. Wilcox', written in a cursive style with a long horizontal flourish at the end.

R. W. WILCOX

FARM 2000 Limited

Droitwich Road Bradley Green

Redditch Worcs B96 6RP

Tel: 0527 821621

Fax: 0527 821665

Your Ref

Our Ref PHT/MD

Date 28.9.92

Mr. Wilcox,
Lincoln Farm Cafe,
Kenilworth,
Hampton-in-Arden,
Solihull,
Warks. B92 0LG

Dear Mr. Wilcox,

FARM 2000 Boiler at Lincoln Farm Cafe

Please find enclosed boiler data sheet.

Your boiler is Model A7 with maximum output 76KW (0.076MW).

Yours sincerely,



PETER TEISEN

Directors

P H Teisen NDA MRAC

R E H Teisen CEng FInstE

Registration No 1298075

VAT Registration No 113345116

Telex 335145 c/o Teisen Furnaces Ltd



ROYAL AGRICULTURAL
SOCIETY MACHINERY
AWARD 1986
SILVER MEDAL

ENVIRONMENTAL HEALTH AND TRADING STANDARDS DEPARTMENT

REPORT TO DIRECTOR OF ENVIRONMENTAL HEALTH AND TRADING STANDARDS

Control of Pollution Act 1974

Disposal Licence Application No. 1166.

Lincoln Farm Cafe, Kennilworth Road, Hampton in Arden.

The above application has been examined in consultation with the Hazardous Waste Unit at Walsall. The full consultation procedure has now been completed and a Waste Disposal Licence is attached. The Licence and Working Plan are both considered satisfactory.

Recommendation.

The attached licence should be signed and the applicant also advised that the Working Plan is formally approved.


19/7/93

REFERRED TO	INITIALS	DATE
AD&ATS	we	21/7/93
DE&ATS		

Mr. R. W. Wilcox
Lincoln Farm Cafe
Kenilworth Road
Hampton in Arden
Solihull
B92 0LG

704 6826

KMcB

28 July 1993

Dear Mr. Wilcox,
Disposal Licence SL1166 Lincoln Farm Cafe.

I enclose the Licence for the above site.

I would also confirm that the working plan which you submitted as part of the application, and which is identified in the Licence as the letter headed "Delivery of Wood at Above Address", is hereby formally approved as required by the Licence.

Should you wish to discuss this matter, please contact Mr. McBride on the above number.

Yours sincerely,

ICK

Assistant Director of Environmental Health and Trading Standards

Walsall Metropolitan Borough Council
Environmental Health & Consumer Services Dept.
Hazardous Waste Unit
Tameway Tower
Bridge Street
Walsall WS1 1DJ

704 6826

KMcB

28 July 1993

Dear Sir,

Control of Pollution Act 1974
Disposal Licence No. SL 1166 Lincoln Farm Cafe.

I enclose a copy of the signed Licence for the above site, and a letter to the licence holder accepting the working plan for the facility.

Should you wish to discuss this matter, please contact Mr. McBride on the above number.

Yours sincerely,

104

Assistant Director of Environmental Health and Trading Standards



Walsall

Metropolitan Borough Council

Environmental Health & Consumer Services

William J. Kirkham, Director

Your ref:

Our Ref: 12/HW/644/1157/LV/H

Date: 15th July 1993

Please ask for: Mr L Ventham

Direct Line: (0922) 653328

Director of Environmental Health &
Trading Standards
Solihull Metropolitan Borough Council
PO Box 24
Council House
Solihull
B91 3EG

For the Attention of Mr K McBride

Dear Sir

CONTROL OF POLLUTION ACT 1974
DISPOSAL LICENCE APPLICATION NO SL 1166
LINCOLN FARM CAFE, KENILWORTH ROAD, HAMPTON IN ARDEN,
WEST MIDLANDS, B92 0LG

Please find enclosed the above disposal licence for your consideration and subject to approval, signature and issue.

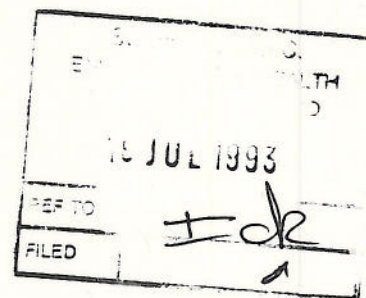
The working plan submitted by the applicant, a copy of which is enclosed, is considered by the Hazardous Waste Unit to be suitable for approval by your authority.

Please forward me a copy of the signed licence and the letter approving the working plan as soon as these are available.

Yours faithfully

L Ventham
Waste Control Inspector

Enc

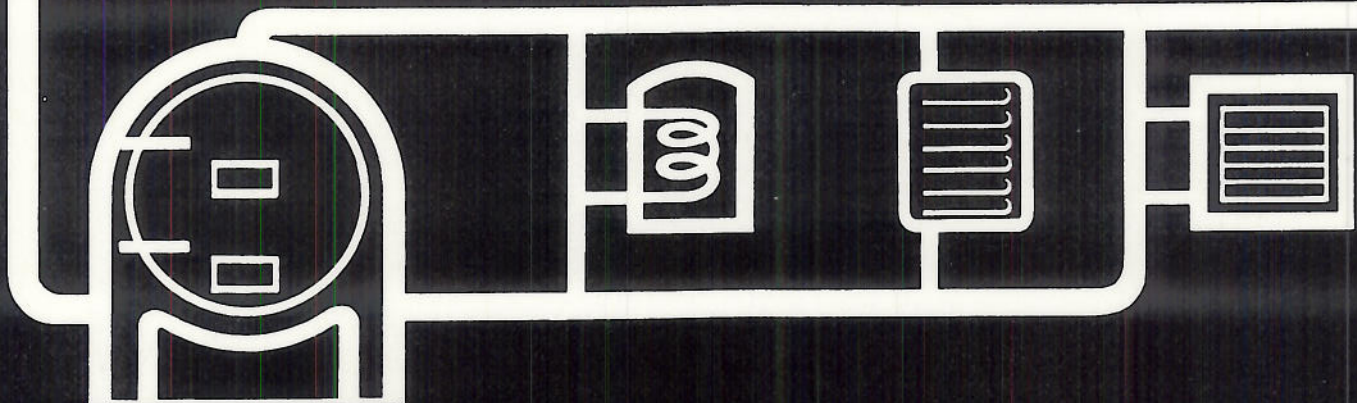


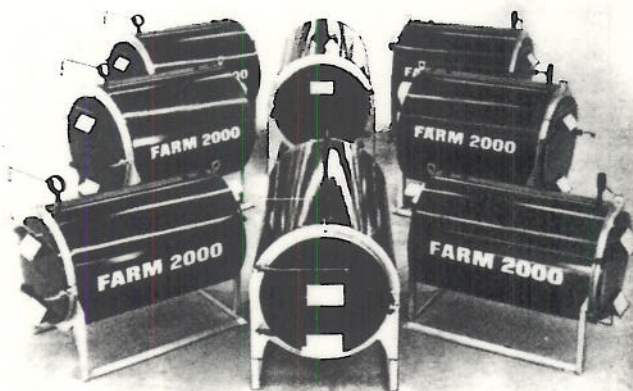
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*Kar - please
ref*

FARM2000

**UNI-BOILER
LOW COST HEATING**





FARM 2000 and the UNI-BOILER

FARM 2000, specialists in the design and application of boilers for use with wood/straw, offer you the largest range manufactured in the U.K. The UNI-BOILER's benefits of low cost heating are now available to you.

Over 50 years associated experience in industrial furnace design, combined with a realistic attitude to the world-wide energy situation, means **FARM 2000** have the technology and awareness to offer you the sensible, economical and practical answer to today's heating needs.

Many current heating systems depend on ever-expensive and fast-running-out fuels like gas and oil. A good low-cost alternative fuel, already used by many, is wood and straw. Indeed virtually any plant material which grows and can be air-dried, can be regarded as a potential fuel. Thus there can be a continuous supply of fuel available. These "grown fuels" are virtually free of sulphur and therefore burn with far less pollution than oil and coal.

The **UNI-BOILERS** are designed to operate central heating systems by the controlled combustion of such fuels as cord wood, logs, straw bales, packaging and other combustible waste materials. Thus, they provide partial or complete independence from future fuel costs by being self-sufficient. According to the type, and amount of waste material available, the UNI-BOILER can maintain **FULL CENTRAL HEATING** and **HOT WATER** at very low running costs. Typical heating applications of the **UNI-BOILER** include:

**FARM HOUSES, COUNTRY HOUSES
ESTATE & FARM BUILDINGS**

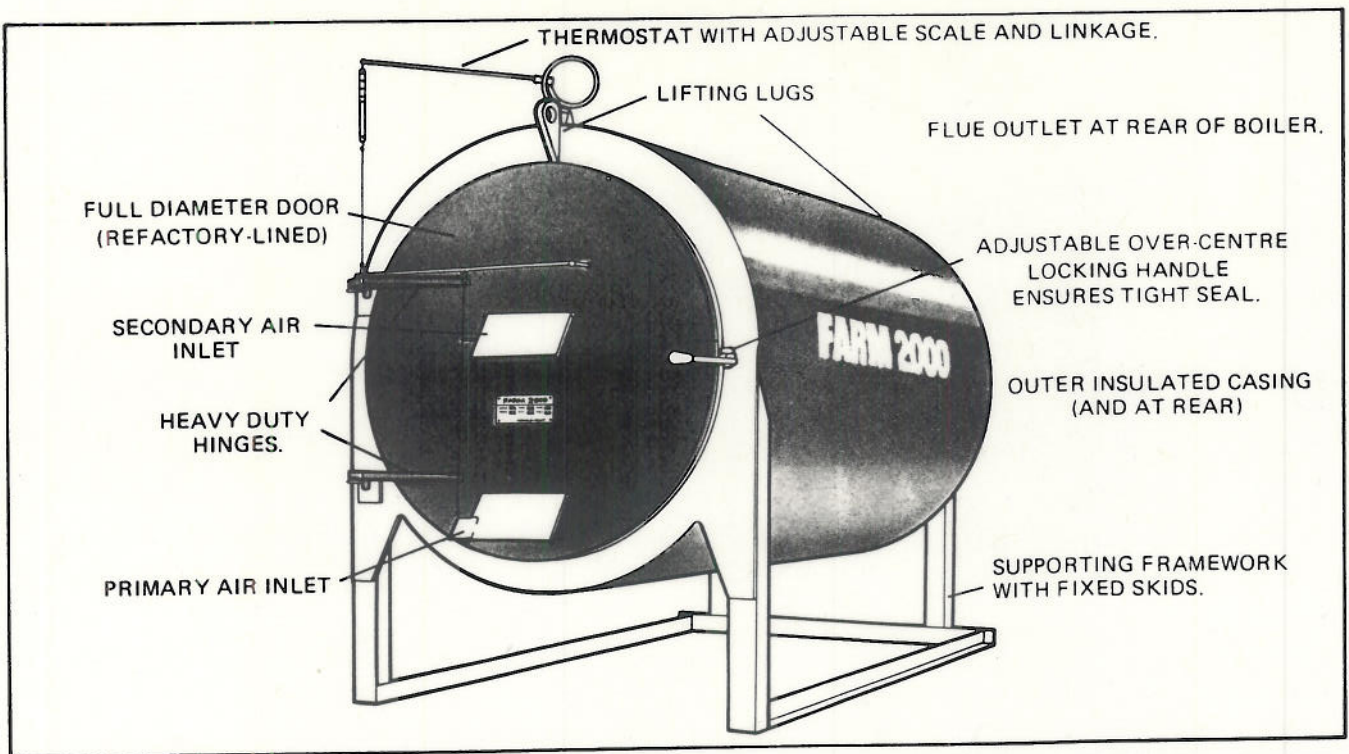
**PIGGERIES, POULTRY UNITS, MILKING PARLOURS
(HOT WATER)**

**CALF REARING UNITS (HOT WATER FOR FEEDING)
GLASS-HOUSES, GRAIN DRYING**

**JOINERIES, TIMBER YARDS, FACTORIES,
WORKSHOPS AND OFFICES**

SWIMMING POOLS

**OTHER APPLICATIONS WHERE LOW COST HOT
WATER AND HEATING ARE REQUIRED**



How does the UNI-BOILER operate ?

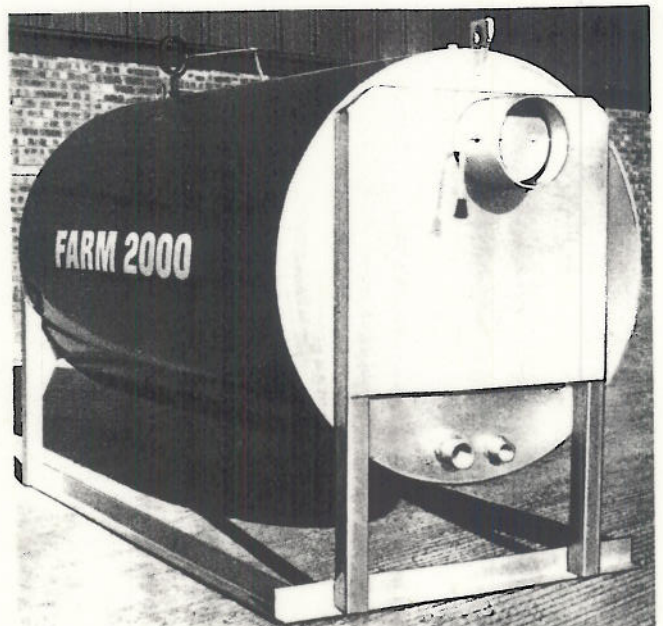
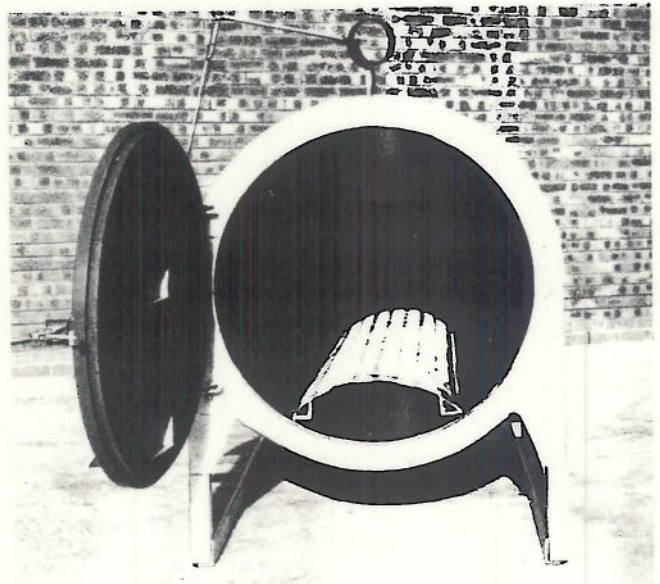
A large capacity combustion chamber with its surrounding water jacket, provides the maximum heat transfer surface area for high efficiency and minimum frequency of stoking. Large logs and several straw bales can be used in most of the UNI-BOILERS. Fuel is easily added through a large purpose-built door. (See specification and data chart).

The water temperature is automatically controlled by the thermostat which operates both the primary and the secondary combustion air inlet dampers. There is an adjustable linkage for setting the temperature, which does not need to be disconnected when opening the boiler door.

The boiler jacket, which is heavily insulated all the way round, underneath, and at the back, contains a unique internal baffle system which improves the water circulation and hence ensures the efficiency of the boiler. An adjustable flue damper is included, enabling the ideal draught requirement to be set to suit the fuel being used at the time. An additional flue baffle is also included to reduce any excess heat loss to the chimney.

The UNI-BOILER can easily be incorporated into an existing system. This is achieved by linking the UNI-BOILER to the existing boiler with automatic switch-over facility, enabling an oil or gas-fired boiler to remain as stand-by if required. If the temperature in the UNI-BOILER drops below a pre-set level, the second boiler switches on AUTOMATICALLY. Thus one has the convenience of oil/gas when required, AND the economy of burning waste fuel. When heating with both oil and wood/straw two separate boilers are recommended because boilers designed to burn wood and straw do not operate efficiently when adapted to burn oil.

The highest standards and most up-to-date methods of fabrication and welding are employed during production. Each boiler undergoes quality control & pressure testing before despatch.



Fuel Types and Suitability

The advantage of the UNI-BOILER system, is that **different** fuels can be burned making good use of wood, straw, and other waste materials as available to you. These fuels vary in density and heat output and the following information is given for your guidance. The thermal value of the fuel denotes the amount of heat released when complete combustion occurs (compare with coal at 14,000 B.T.U./lb, and oil at 19,000 B.T.U./lb).

FUEL (in dry condition)	APPROX THERMAL VALUE B.T.U./lb.	ASH CONTENT	GENERAL *
WOOD	8500	Approx 0.5%	Wood has the advantage of being compact and therefore more fuel value can be loaded at one filling. Average stoking is 1-2 times per day. The ash content is low, and on average ash removal is every 2-3 weeks.
BARLEY/WHEAT STRAW	7750	Approx 7.0%	Straw is bulky and therefore requires a larger combustion chamber to take the same fuel value as when loading with wood. Average stoking is 2-3 times per day. The ash content is higher and it needs to be removed every 2-3 days.
BEAN/RAPE STRAW	8250	Approx 2.5%	This type of straw is more compact than wheat/barley straw and therefore more fuel value can be loaded. Average stoking is 2-3 times per day. The ash content is relatively low and usually needs to be removed only once per week.

NOTE: Certain types of paper are not recommended as fuel

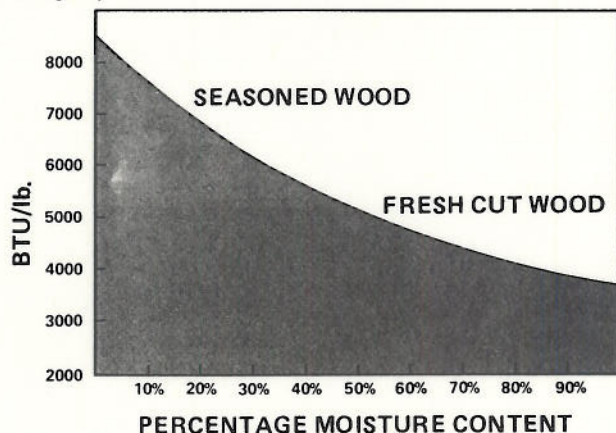
Cardboard has been found to burn very efficiently.

* Frequencies vary according to fuel conditions, moisture content, boiler size and output level

The Importance of Dry Fuel

Though it is well-known that one rarely has **completely** dry fuel, it is worth every effort to reduce the moisture content to a minimum.

The following graph illustrates clearly the benefits of using dry fuel.



Not only does excess moisture reduce the total fuel value, but also the net available fuel value. Thus the efficiency and output of the boiler is reduced. This is because the energy required to drive off any excess moisture (in the form of steam) has to come from the fuel itself.

Too much moisture has the following effects:

1. More fuel has to be used.
2. Excess ash is produced (due to incomplete combustion).
3. Tar builds up in the boiler and chimney.
4. A heavy smoke (steam) is produced for a short while after stoking.
5. Straw can become difficult to burn.

To avoid these problems and to ensure a successful installation, it is strongly recommended that straw for burning should be baled and stored in a dry condition. Wood should be cut and seasoned for at least a year before use.

Installation Requirements and Recommendations to Help you Site the UNI-BOILER for Maximum Convenience & Efficiency.

Requirements

The UNI-BOILER is designed for use in any low pressure, indirect hot water heating system, and the installation requirements are straight forward. The UNI-BOILER should be installed in accordance with the Current Building Regulations, and British Standard Code of Practice for the Installation of Appliances, Flues and Chimneys designed to burn Solid Fuel.

The three following points should be considered before siting the boiler:

1. **CHIMNEY.** An insulated chimney is necessary to ensure adequate draught, and to avoid cooling of the flue gases, leading to down-draughts, tar build-up, and incomplete combustion. A height of 20 ft. is usually sufficient although, for straw combustion, the chimney may need to be higher. The chimney can be built of i) brick with suitable internal liners, ii) of pre-cast refractory modular material, or iii) of pre-fabricated insulated steel. The chimney is the driving unit of the boiler and without a good chimney, the UNI-BOILER will not operate at its maximum efficiency.
When linking two boilers together of different fuel types (eg solid fuel and oil) they must not share a common flue. Separate chimneys must be provided.
2. **GRAVITY HEAT LEAK** — the ability for hot water to be circulated by gravity (thermo-syphon) when there is a pump failure, thus dissipating excess heat. This means that primary pipe-work must rise, usually to an indirect domestic hot water cylinder and a small radiator circuit. Usually, the heat leak should be 5-10% of the output of the boiler. Without this design feature in the circuit, the UNI-BOILER could overheat and boil if the pump fails.
3. **SAFETY VALVE, FEED and EXPANSION CISTERN, OPEN VENT PIPE.** These must be fitted in all cases.

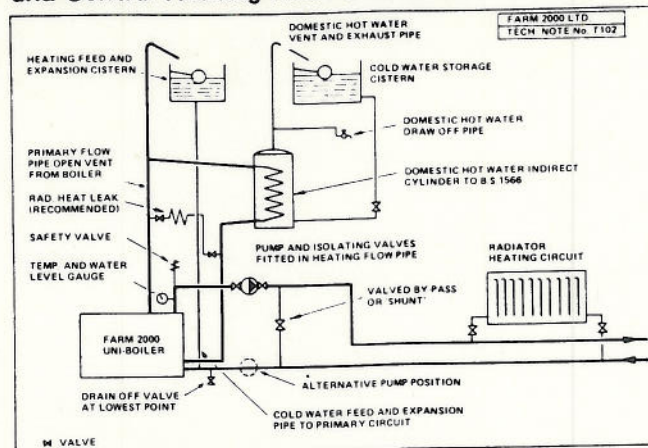


Milking Parlour Installation (Courtesy of Farmers Weekly)

A well-chosen, carefully planned UNI-BOILER SYSTEM need require no more attention than any other solid fuel system (ie coal, etc.)

It is extremely unlikely that there will ever be any lower-cost fuels than wood, waste or straw.

Example Layout of Domestic Hot Water and Central Heating from UNI-BOILER



Recommendations

1. The UNI-BOILER should be sited for maximum convenience and safety of stoking together with easy access to the fuel store. The Boiler Room should be well ventilated.
2. Straw and other easily combustible material should not be stored in the same room as the UNI-BOILER.
3. Some minor smoke emission can be experienced during stoking, so the UNI-BOILER should be installed in such a place that this does not cause a nuisance.
4. It is not recommended to store straw in basements or cellars.
5. The UNI-BOILER can be installed in an external position provided it is protected from the elements (i.e. a lean-to or simple Boiler House).
6. It is only necessary to have access to the front and back of the UNI-BOILER.

Choosing Your UNI-BOILER

Having the largest range manufactured in the U.K., means that there is a UNI-BOILER perfectly suited to your needs and fuel type available.

To help you select the right model:-

1. Determine the main fuel type to be used.
2. Estimate the maximum and average heat outputs required. Your heating engineer/FARM 2000 agent will be able to tell you how much fuel you will need per day. (For your guidance calculate on straw consumption at the approximate rate of 150,000 B.T.U. produced per bale).
3. Decide on frequency of stoking required.
4. When using straw as the main fuel, it is advisable to install a boiler with a higher output capacity than required. This will enable more straw to be loaded at a time and avoid the need for frequent stoking and ash removal. A large boiler at low output operates more efficiently and therefore uses less fuel than a smaller boiler at its maximum output.

Special Applications

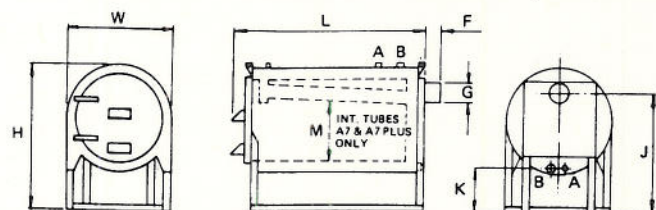
When warm air heating is required, e.g. for grain-drying, workshops, glasshouses, use the UNI-BOILER with fan driven heat-exchangers, (Unit Heaters). Your heating engineer will advise.

For Free Advice without obligation, on any of the above points, or if you have a Special Heating Requirement, contact your nearest Installation Agent or write to FARM 2000.

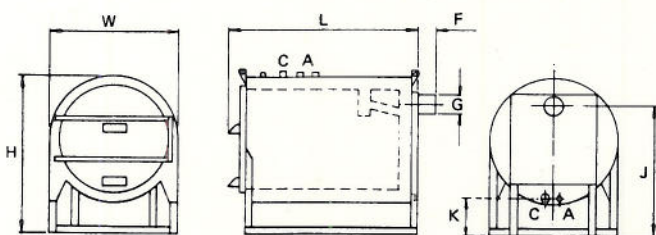
Write for our Free Booklet containing Full Installation, Plumbing and Operating Instructions.

The A6, A6 PLUS, A10 & A14 are recommended as being most suitable when straw only is available. Check your bale sizes against our combustion chamber dimensions before specifying.

Special Boilers can be made to individual requirements.



TYPE A2.5, A3.5, A5, A5 PLUS, A6, A6 PLUS, A7, A7 PLUS



TYPE A10 & A14

Specifications

The UNI-BOILER is supplied ready for installation, and specification includes the following:

- * HEAVY DUTY CORROSION RESISTANT CORTEN STEEL (4, 5 & 6 MM)
- * FULL DIAMETER DOOR, WITH HEAT RESISTANT REFRACTORY LINER, FOR SPEED AND EASE OF STOKING.
All doors are hinged on the left hand side. They can be reversed at no extra charge subject to adequate notice being given.
- * COMPLETE INSULATION FOR MINIMUM HEAT LOSS.
- * THERMOSTAT, CONTROLLING PRIMARY AND SECONDARY AIR INLETS.
- * TEMPERATURE AND WATER LEVEL GAUGE
- * COMPLETE SUPPORTING FRAMEWORK
- * HEAVY DUTY ANGLE-IRON SKIDS, FOR EASY MANHANDLING DURING INSTALLATION
- * ADJUSTABLE FLUE DAMPER AND ADDITIONAL FLUE BAFFLE
- * 2" BSP HEATING FLOW & RETURN. 1½" BSP PRIMARY FLOW & RETURN (i.e. TWO FLOW AND TWO RETURN CONNECTIONS).
- * REMOVEABLE FRONT ASH BAFFLE AND CLEANING ROD FOR SIMPLE MAINTENANCE
- * PRESSURE TESTED TO 4 BAR
- * DESIGN PRESSURE TO 3 BAR
- * A STRAW-BURNING GRATE IS INCLUDED WITH MOST MODELS (SEE PRICE LIST)
The grate is not necessary for wood burning.

	A2.5	A3.5	A5	A5 PLUS	A6	A6 PLUS	A7 *	A7 * PLUS	A10	A14
MAX. OUTPUT WITH SEASONED WOOD '000 B.T.U.'s	65	100	150	210	200	250	260	315	335	425
" K.W.	19	29	44	64	59	73	76	92	98	125
MAX. OUTPUT WITH DRY STRAW '000 B.T.U.'s		60	80	100	120	150	100	165	225	275
" K.W.		18	23	29	35	44	29	48	66	80
MAX. BALE CAPACITY (STANDARD BALES)		1	2	2	3-4	4-5	2-3	3	6	9-10
LENGTH COMBUSTION CHAMBER (INTERNAL)	1200	1450	1450	1950	1450	1950	1450	1950	1950	2950
DIAMETER COMBUSTION CHAMBER	545	700	925	925	1050	1050	1050	1050	1250	1250
LENGTH L	1500	1750	1760	2260	1760	2280	1760	2280	2280	3280
HEIGHT H	950	1080	1400	1400	1520	1520	1520	1520	1720	1720
WIDTH W	725	875	1120	1120	1270	1270	1270	1270	1470	1470
HEIGHT OF COMBUSTION CHAMBER AT M							700	700		
HEIGHT OF FLUE OUTLET J	730	840	1150	1150	1230	1230	1230	1230	1410	1410
FLUE LENGTH F	150	150	150	150	200	200	200	200	200	200
FLUE DIAMETER G (INSIDE)	180	206	206	206	256	256	256	256	256	308
HEIGHT TO RETURN TAPPINGS K	320	320	320	360	360	360	360	360	360	360
TAPPING SIZE A (INCHES B.S.P.)	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½
TAPPING SIZE B (INCHES B.S.P.)	2	2	2	2	2	2	2	2		
TAPPING SIZE C (INCHES B.S.P.)									2½	2½
WATER CAPACITY (LITRES)	93	155	215	265	260	330	305	385	515	700
WEIGHT LESS GRATE (TONNES)	0.4	0.5	0.6	0.7	0.8	1.10	0.9	1.25	1.50	2.0
OVERALL LENGTH WITH DOOR OPEN	2050	2450	2700	3200	2850	3350	2850	3350	3550	4550

The right to amendments without notice is reserved.

Registered Design
Patent Pending

Each boiler has a guarantee.

All dimensions in mm unless stated
Outputs vary with fuel type and moisture content

*Internal tubes fitted, which increase efficiency and output, but reduce straw bale capacity.



Name of Site LINCOLN FARM CAFE

Date Part I submitted _____

Applicant _____

Date Part II submitted _____

Your Ref: — WILCO

H.W.U. Ref: _____

The application should be accompanied by the following documents:-

1. A Site Location Plan.

This is required in every case and should be drawn on a scale appropriate to the facility (e.g. 1/2500 or 1/10000) showing the site of the facility to which the application relates coloured pink, any adjoining land in the same ownership coloured blue and sufficient details to readily identify the site and the topography of its environs in comparison with the Ordnance Survey Map of the same scale. The Waste Disposal Authority should be consulted in any cases of doubt as to which scale is appropriate.

2. An Outline Working/Operational Plan.

This is also required in every case but the content will vary according to the nature of the facility for which the licence is being sought. It should comprise of detailed plan of the facility to a scale of not less than 1/500 accompanied and backed up by a statement of intent regarding its operation.

The plan of each facility should show:-

- (i) the layout and construction of the facility and its ancillary equipment including information on fencing and drainage where relevant;
- (ii) the storage areas for solid and liquid wastes awaiting treatment and residues awaiting removal for disposal elsewhere;
- (iii) the provision being made for the parking, loading and unloading of vehicles at the facility.

**WEST MIDLANDS
HAZARDOUS WASTE UNIT****Tel. No. (0922) 652258****Fax. (0922) 30697****M Stringer
Head of Unit****William J. Kirkham, Director
Environmental Health and
Consumer Services Department,
Challenge Building,
Hatherton Road,
Walsall.
WS1 1YG**

SOLIHULL M.B.C. ENVIRONMENTAL HEALTH & TRADING STANDARD	
22 APR 1994	
REF TO	KMcB.
FILED	

FAX TRANSMISSION**DATE: 22nd April 1994 TIME 3.40pm**
TO Ken McBride**AUTHORITY Solihull Metropolitan Borough Council****DEPARTMENT Environmental Health and Trading Standards
Department****ADDRESS Po Box 24, Council House, Solihull, B91 3EG****FAX No. 021 704 6888****FROM: IAN BRINDLEY TELEPHONE No. (0922) 653330**
SENIOR WASTE CONTROL OFFICER**MESSAGE**

Further to the meeting of the Waste Regulation Management Team held on 21st April 1994 please find attached a list of those sites presently licensed which have been identified by the Hazardous Waste Unit as possibly being exempt from the requirement to hold a Waste Management Licence under the terms of the Environmental Protection Act 1990 by virtue of the Waste Management Licensing Regulations 1994. An indication is also given of the relevant paragraph in schedule 3 to the Regulations.

It should be noted that exemptions are heavily dependent on the precise nature of the activities being carried out and a decision as to whether any particular site is exempt should only be made after the most careful consideration by both the licence holder and the WRA.

Licence holders should be made aware that any licence still current on 1st May 1994 will incur a subsistence charge. However, in the event of a licence being surrendered erroneously any subsequent application will incur both the subsistence charge and an application fee.

If you require any further information please do not hesitate to contact me.

[We are transmitting 2 pages]

SL	LICENCE HOLDER	SITE OPERATOR	PARAGRAPH
1166	R W WILCOX LINCOLN FARM CAFE KENILWORTH ROAD SOL B92 0LG	R W WILCOX LINCOLN FARM CAFE KENILWORTH ROAD SOL B92 0LG	5(1)

*Bring waste as a fuel
then input < 0.4mW
waste*

R. W. Wilcox Limited

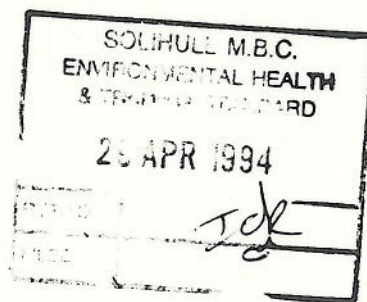
Directors : R. W. Wilcox. J. Wilcox

Telephone : Hampton-in-Arden 2301 & 2769

27TH APRIL 1994

LINCOLN FARM
KENILWORTH ROAD
HAMPTON-IN-ARDEN
WARWICKSHIRE

SOLIHULL M.C.B. COUNCIL
ATT: MR McBRIDE
P.O. BOX 24
COUNCIL HOUSE
SOLIHULL
WEST MIDLANDS B91 3EG.



DEAR MR McBRIDE

WE REFER TO OUR TELEPHONE CONVERSATION ABOUT OUR LICENCE FOR DISPOSAL OF WOOD AT THE ABOVE ADDRESS.

ON THE ADVISE OF YOUR SELF AND MR. L. VENTHAM WE ENCLOSE OUR LICENCE BACK TO YOU AS WE WISH TO SURRENDER IT BACK TO YOU.

TRUSTING YOU TO DEAL WITH THIS ON OUR BEHALF.
MANY THANKS

YOURS SINCERELY

R.W. WILCOX

A handwritten signature in dark ink, appearing to be 'R.W. Wilcox', written over a horizontal line.

SOLIHULL METROPOLITAN BOROUGH COUNCIL

CONTROL OF POLLUTION ACT 1974

DISPOSAL LICENCE

Solihull Metropolitan Borough Council in pursuance of the powers conferred by the Control of Pollution Act 1974, hereby license Mr Raymond William Wilcox (trading as Lincoln Farm Cafe), Kenilworth Road, Hampton in Arden, West Midlands, B92 0LG (hereinafter called the "licence holder") to deposit, store and dispose of waste on land at Kenilworth Road, Hampton in Arden, West Midlands, B92 0LG which is shown edged red on the drawing attached to this licence, being land occupied by the licence holder.

This licence is granted subject to the conditions set out in the schedules attached hereto.

Dated this 23 JUL 1993 day of 19

Signed
Director of Environmental Health and Trading Standards

Boxford

The licence holder's attention is drawn to the notes overleaf.

NOTES

These notes are for general guidance only and they do not constitute an authoritative statement of the law.

This licence permits the storing and incineration of waste wood and is not intended to permit the sorting, storing, transfer or treatment of any waste except to the extent expressly referred to in the Schedules.

Definitions of certain words and phrases used in this licence are to be found in Schedule B of this licence.

This licence relates only to the requirements of the Control of Pollution Act 1974 for the deposit of waste and the use of plant or equipment subject to the conditions set out in the Schedules and does not constitute a consent required by any other legislation. In particular it is the responsibility of the licence holder to comply with any requirements of the Health and Safety at Work etc Act 1974, the Radioactive Substances Act 1960, the Town and Country Planning Acts, and all relevant water protection and environmental health legislation.

If the licence holder ceases to occupy the land specified above, then he may transfer the licence to the new occupier after giving notice to the Waste Disposal Authority who has the right to decline to accept the new licence holder.

If the licence holder wishes to cancel this licence, he must return it to the Waste Disposal Authority together with a notice stating he no longer requires the licence. Cancellation of the licence will not affect any outstanding liability of the licence holder under the conditions of the licence.

Contravention of Licence Conditions

Your attention is drawn to the provisions of Sections 3, 9 and 16 of the Control of Pollution Act 1974.

Section 3

Prohibits under penalty the deposit of waste, or the use of plant or equipment, otherwise than in accordance with the terms of a licence. This Section applies to all the conditions contained herein, including any which may be the subject of appeal to the Secretary of State under Section 10 of the Act.

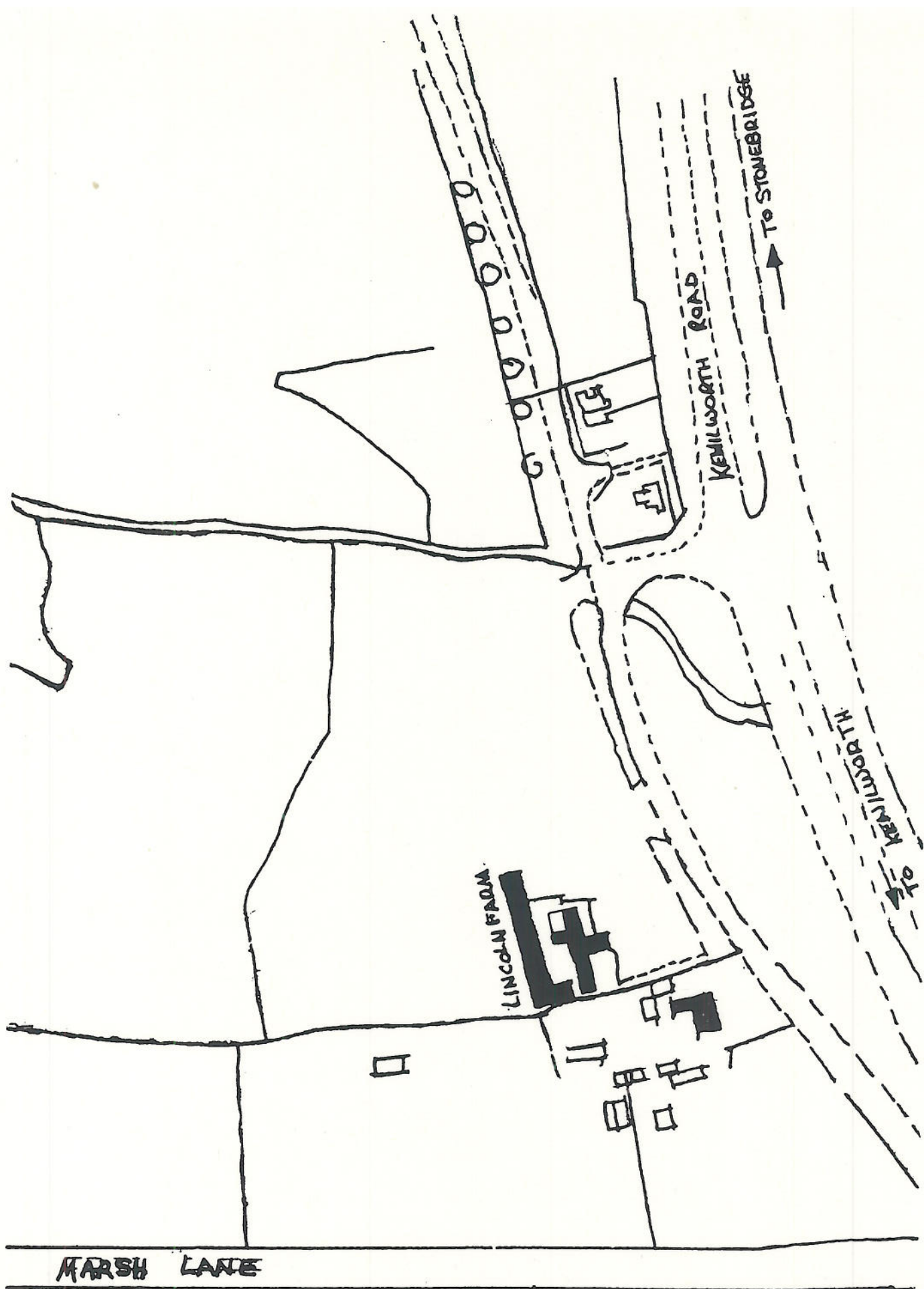
Any deposit which takes place without compliance with all the licence conditions may lead to prosecution under this Section. A person who contravenes Section 3 subsection (1) shall, subject to subsection (4), be guilty of an offence and liable on summary conviction to a fine of an amount not exceeding £5,000 (at the date of issue of this licence), or on conviction on indictment to imprisonment for a term not exceeding two years or a fine or both.

Section 9

Non compliance with any licence conditions may lead to the revocation of this licence.

Section 16

The licensing authority is empowered to require the removal of any controlled waste deposited in circumstances where any of the conditions contained in this licence are not being complied with, or the undertaking of such works as are required to reduce or eliminate the consequences of such deposits.



SITE LOCATION PLAN.
SL 1166

15298

R. W. Wilcox Limited

Directors : R. W. Wilcox. J. Wilcox

Telephone : Hampton-in-Arden 2301 & 2769

LINCOLN FARM
KENILWORTH ROAD
HAMPTON-IN-ARDEN
WARWICKSHIRE

WALSALL METROPOITAN BOROUGH COUNCIL
TAMEWAY TOWER
BRIDGE STREET
WALSALL WS1 1DJ

11TH JANUARY 1993

FOR THE ATTENTION
MR L. VENTHAM

DEAR SIR

DELIVERY OF WOOD AT ABOVE ADDRESS.

PLANS

PART 1 AND 2 PLANS ENCLOSED.

PART 3 PLAN ENCLOSED.

1. SITE DEVELOPMENT.

NO DEVELOPMENT REQUIRED AS SITE IS ALREADY IN EXISTENCE.

2. MATERIAL TO BE HANDLED.

WOOD WILL BE THE ONLY MATERIAL BURNT AND THIS WILL ALREADY BE PRECUT.
NO EQUIPMENT WILL BE REQUIRED FOR THAT PURPOSE.

MAIMUM QUANTITIES OF WOOD STORED WILL BE APPROXIMATELY 10 TON WHICH
SHOULD GIVE A USAGE TIME OF ONE WEEK.

3. DAY TO DAY HANDLING.

THE BOILER FOR WHICH THE WOOD IS USED AS A FUEL IS FOR SUPPLING
HOT WATER FOR CENTRAH HEATING AND WASHING FACILITIES.
THE BOILER WILL BE MAINTAINED 24 HOURS A DAY.

5. PLANT ~~BREAK~~ DOWN.

IF WE SHOULD ACCRUE A BREAK DOWN OR IT WAS FELT THAT THIS METHOD OF
HEATING WAS NO LONGER REQUIRED THE SUPPLY OF WOOD WOULD BE STOPPED
IMMEDIATELY.

continued

R. W. Wilcox Limited

Directors : R. W. Wilcox. J. Wilcox

Telephone : Hampton-in-Arden 2301 & 2769

LINCOLN FARM
KENILWORTH ROAD
HAMPTON-IN-ARDEN
WARWICKSHIRE

continuation

6. ENVIRONMENTAL CONTROLS.

THE BASE FOR THE STARAGE OF WOOD IS CONCRETE AND WE CANNOT FORE SEE ANY PROBLEMS WITH VERMIN. SHOULD IT EVER BE FOUND NECESSARY WE WOULD CALL IN PEST CONTROL OR RENTAKILL.

NOISE.

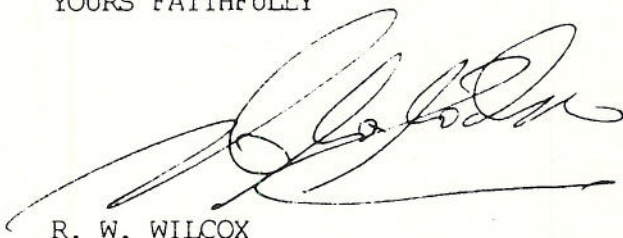
THERE WILL NOT BE ANY MECHANICAL MOTORS USED IN RUNNING THE BOILER AND NO NOISE ANTICIPATED.

7.. RECORDS.

A RECORD WILL BE KEPT OF ALL LOADS DELIVERD.

DELIVERY WILL BE DONE BY CLEARAWAY AND ANY DEBRIS (ASH'S) ECT WILL BE TAKEN AWAY BY CLEARAWAY. THIS WILL BE AN APPROXIMATELY WEEKLY BASIS.

YOURS FAITHFULLY

A handwritten signature in dark ink, appearing to be 'R. W. Wilcox', written in a cursive style with a long horizontal stroke at the end.

R. W. WILCOX

Walsall Metropolitan Borough Council
Environmental Health & Consumer Services Dept.
Tameway Tower
Bridge Street
Walsall WS1 1DJ


KMcB

704 6826

27 January 1993

Dear Sir,

Control of Pollution Act 1974
Disposal Licence Application SL 1166 - Lincoln Farm Cafe

I have examined the Draft licence for the above site and have no comments to
make ~~on it.~~

Yours sincerely,



Assistant Director of Environmental Health and Trading Standards



Walsall Metropolitan Borough Council

Environmental Health & Consumer Services Department

W. J. Kirkham, B.A., D. M.S., M.I.E.H., M.Inst.W.M.
Director

Tameway Tower
Bridge Street
Walsall. WS1 1DJ

Facsimile: 30697 Telephone: (0922) 650000

Your ref:

12/HW/644/1157/LV/RJ

Our ref:

Date: 22nd January 1993
Mr. L. Ventham

Please ask for: 3328

Direct Line (0922) 65

Head of Environmental Health and
Trading Standards,
Solihull Metropolitan Borough Council,
P.O. Box 24,
Council House,
Solihull,
B91 3EG.

For the attention of Mr K. McBride

Dear Sir,

CONTROL OF POLLUTION ACT 1974
DISPOSAL LICENCE APPLICATION NO. SL 1166
LINCOLN FARM CAFE, KENILWORTH ROAD, HAMPTON-IN-ARDEN,
WEST MIDLANDS, B92 0LG

Please find enclosed a draft licence and working plan relating to a waste wood storage and processing facility at the above named site. Please note that the working plan submitted by the applicant is a confidential document and should not be made available to any unauthorised person.

Please let me have any comments you may wish to make relating to these documents as soon as possible and in any case within 21 days in accordance with statutory consultation procedure. Please quote SL 1166 in any correspondence.

If I have not heard from you within this timescale I shall assume that you have no comments to make.

Yours faithfully,


L. Ventham
Waste Control Inspector

Enc.

27 JAN 1993

LP
LP/KMB 002276

Ref. ent. 27/1/93
AS

NOTES

These notes are for general guidance only and they do not constitute an authoritative statement of the law.

This licence permits the sorting, storing, transfer and treatment of waste wood and is not intended to permit the sorting, storing, transfer or treatment of any waste except to the extent expressly referred to in the Schedules.

Definitions of certain words used in this licence are to be found in Schedule B of this licence.

This licence relates only to the requirements of the Control of Pollution Act 1974 for the deposit of waste and the use of plant or equipment subject to the conditions set out in the Schedules and does not constitute a consent required by any other legislation. In particular it is the responsibility of the licence holder to comply with any requirements of the Health and Safety at Work etc Act 1974, the Radioactive Substances Act 1960, the Town and Country Planning Acts, and all relevant water protection and environmental health legislation.

If the licence holder ceases to occupy the land specified above, then he may transfer the licence to the new occupier after giving notice to the Waste Disposal Authority who has the right to decline to accept the new licence holder.

If the licence holder wishes to cancel this licence, he must return it to the Waste Disposal Authority together with a notice stating he no longer requires the licence. Cancellation of the licence will not affect any outstanding liability of the licence holder under the conditions of the licence.

Contravention of Licence Conditions

Your attention is drawn to the provisions of Sections 3, 9 and 16 of the Control of Pollution Act 1974.

Section 3

Prohibits under penalty the deposit of waste, or the use of plant or equipment, otherwise than in accordance with the terms of a licence. This Section applies to all the conditions contained herein, including any which may be the subject of appeal to the Secretary of State under Section 10 of the Act.

Any deposit which takes place without compliance with all the licence conditions may lead to prosecution under this Section. A person who contravenes Section 3 subsection (1) shall, subject to subsection (4), be guilty of an offence and liable on summary conviction to a fine of an amount not exceeding £5,000 (at the date of issue of this licence), or on conviction on indictment to imprisonment for a term not exceeding two years or a fine or both.

Section 9

Non compliance with any licence conditions may lead to the revocation of this licence.

Section 16

The licensing authority is empowered to require the removal of any controlled waste deposited in circumstances where any of the conditions contained in this licence are not being complied with, or the undertaking of such works as are required to reduce or eliminate the consequences of such deposits.

Conditions for Waste Wood Storage
and Processing Facility at:-

Kenilworth Road
Hampton in Arden
West Midlands
B92 0LG

Licence Holder:-

Mr R Wilcox
(trading as Lincoln Farm Cafe)
Kenilworth Road
Hampton in Arden
West Midlands
B92 0LG

Licence No:-

SL 1166

Schedule A

- 1.(a) The statement of intended methods of operation and accompanying drawings contained in the letter dated 11th January 1993 submitted as part of the application for this licence shall be referred to as the working plan.
- (b) No operations shall take place at the facility unless the working plan has been agreed in writing by the Waste Disposal Authority ('the WDA').
- (c) Any proposed change in the working plan shall be notified in writing to the WDA and the proposed change shall not be implemented until it has been approved in writing by the WDA.
- (d) Any reference in this licence to the working plan shall include a reference to any amendment to the statement or the drawings which have been approved in writing by the WDA as appropriate.
- (e) Subject to the terms of this licence, the facility shall be operated in accordance with the working plan.
- 2.(a) The type of waste to be accepted at the facility shall only consist of pre-cut wood.
- (b) No more than 10 tons of waste shall be stored at the facility at any one time.
3. Waste shall only be stored in the wood store adjacent to the boiler.
- 4.(a) Provision shall be made for dealing with any unacceptable waste inadvertently delivered to or left at the facility. The WDA shall be informed forthwith of any such occurrence.
- (b) Unacceptable waste and any waste which is decomposing and liable to give rise to odours shall be removed from the facility as soon as practicable and in any case within 24 hours of receipt, and taken to a suitable alternative licensed site for disposal. The WDA shall be informed forthwith of any such occurrence.
- 5.(a) The facility, when open, shall be supervised by a minimum of one person.

- (b) Supervisors shall be able to identify the general types of materials permitted by this licence.
 - (c) Supervisors shall be capable of ensuring compliance with this licence and its conditions and shall be fully conversant with all safety and emergency procedures.
6. Gates, walls and fences shall be provided and maintained to prevent unauthorised access to and unlawful deposit of waste at the facility. Gates shall be locked when the facility is unattended.
 7. The yard area shall be surfaced as detailed in the working plan and maintained in sound condition at all times.
 8. Drainage facilities shall be provided and maintained so as to prevent the accumulation of water within the site; the pollution, by solid matter or otherwise, of any watercourse or sewer; and the spillage of water onto land outside the site. Drainage from the yard area shall be to foul sewer and all discharges shall have been previously agreed with Severn Trent Water Limited.
 9. Provisions shall be taken to contain and remove any spillage occurring at the facility.
 10. Within 3 months of the date of issue of this licence an identification board of durable material and finish shall be displayed at the entrance to the facility. This shall give the name, address and telephone number of the operator and of the WDA and a telephone number through which a responsible person may be contacted in the event of an emergency occurring when the facility is unattended.
 - 11.(a) Plant and equipment shall be provided at the facility as detailed in the working plan.
 - (b) Plant and equipment shall be used as detailed in the working plan and maintained in good working order at all times.
 - (c) Provision shall be made for the storage of liquids used for the operation and maintenance of plant and equipment used at the facility. Tanks and drums used for the storage of such liquids shall be contained in bunded compounds and shall be of a type and construction suitable for the liquids they contain and labelled to show their contents. They shall conform, where necessary, to all relevant safety and construction standards.
 - (d) Bunded compounds referred to in Condition 11(c) shall have an impermeable internal surface and a minimum available capacity equal to the volume of the largest tank or drum within it plus 10%. Spillages in bunded compounds shall be removed forthwith and rainwater shall not be allowed to accumulate.
 12. In the event of plant breakdown, no further waste shall be deposited at the facility until such plant is either repaired or replaced. The WDA shall be informed forthwith of any such occurrence, and written confirmation shall be given within 3 working days.

13. No waste material shall be disposed of by fire within the boundaries of the facility. Any fire occurring, other than as part of a process specified in the working plan, within the confines of the facility shall be treated as an emergency and immediate steps shall be taken to extinguish it. All such fires shall be reported to the Fire Service and WDA immediately. Fire fighting equipment shall be provided and regularly maintained.
14. Measures shall be taken to inspect for and deal effectively with any vermin and insects at the facility. A record shall be kept of any treatment undertaken.
15. Measures shall be taken to prevent dust, grit and odours at the facility.
16. The facility and its immediate environs shall be kept clean and tidy at all times. Loose material shall be collected up and disposed of whenever necessary and as requested by the WDA.
17. Measures, including proper use and maintenance, shall be taken to control the noise of plant operating at the facility.
18. Provision shall be made to allow safe access to all areas of the facility at all reasonable times by representatives of the WDA for the purposes of monitoring the facility.
19. A full record shall be kept on forms supplied by the WDA of wastes delivered to and removed from the facility and copies shall be sent to the WDA once a month or at a frequency specified by the WDA. These records shall be made available to any representative of the WDA for inspection at the facility at any reasonable time.
20. Any cessation of operations for a period in excess of 3 months shall be notified to the WDA. Not less than 14 days notice shall be given to the WDA of the date on which operations are to re-commence in the event of a temporary cessation for a period in excess of 3 months.
21. A copy of any notice or instruction received in respect of the facility from any authority other than the WDA which in any way relates to the use of the facility shall be given to the WDA within 3 days of the receipt of such notice or instruction.
22. The terms of this licence and the approved working plan shall be made known to any person who is given responsibility for the management or control of the facility and a copy of these documents shall be available at the facility at all times.

Schedule B

1. In this licence, an emergency is defined as a case where a person has reasonable cause to believe that circumstances exist which are likely to endanger life or health or cause damage to property or pollution of water.
2. A representative of the WDA shall include any officer of the Environmental Health and Trading Standards Department and any officer of the West Midlands Hazardous Waste Unit.

10.308

R. W. Wilcox Limited

Directors : R. W. Wilcox, J. Wilcox

Telephone : Hampton-in-Arden ^{0675 442301 442709} ~~2304 & 2769~~

LINCOLN FARM
KENILWORTH ROAD
HAMPTON-IN-ARDEN
WARWICKSHIRE

WALSALL METROPOLITAN BOROUGH COUNCIL
TAMEWAY TOWER
BRIDGE STREET
WALSALL WS1 1DJ

11TH JANUARY 1993

FOR THE ATTENTION
MR L. VENTHAM

DEAR SIR

DELIVERY OF WOOD AT ABOVE ADDRESS.

PLANS

PART 1 AND 2 PLANS ENCLOSED.

PART 3 PLAN ENCLOSED.

1. SITE DEVELOPMENT.

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SHOULD GIVE A USAGE TIME OF ONE WEEK.

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IF WE SHOULD ACCRUE A BREAK DOWN OR IT WAS FELT THAT THIS METHOD OF
HEATING WAS NO LONGER REQUIRED THE SUPPLY OF WOOD WOULD BE STOPPED
IMMEDIATELY.

continued

R. W. Wilcox Limited

Directors : R. W. Wilcox, J. Wilcox

Telephone : Hampton-in-Arden 2301 & 2769

LINCOLN FARM
KENILWORTH ROAD
HAMPTON-IN-ARDEN
WARWICKSHIRE

continuation

6. ENVIRONMENTAL CONTROLS.

THE BASE FOR THE STARAGE OF WOOD IS CONCRETE AND WE CANNOT FORE SEE ANY PROBLEMS WITH VERMIN. SHOULD IT EVER BE FOUND NECESSARY WE WOULD CALL IN PEST CONTROL OR RENTAKILL.

NOISE.

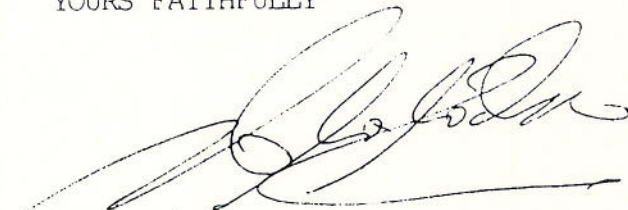
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7.. RECORDS.

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DELIVERY WILL BE DONE BY CLEARAWAY AND ANY DEBRIS (ASH'S) ECT WILL BE TAKEN AWAY BY CLEARAWAY. THIS WILL BE AN APPROXIMATELY WEEKLY BASIS.

YOURS FAITHFULLY



R. W. WILCOX

side
natural

LAND OWNED BY APPLIC

existing boundary

proposed
may be

existing buildings to be demolished.

BOILER
AND COAL
STORE

proposed

LINCOLN FARM CARE

FARM 2000

Agricultural & Heating Equipment Design & Production

ARM 2000 Limited

Droitwich Road Bradley Green

Redditch Worcs B96 6RP

Tel: 0527 821621

Fax: 0527 821665

Your Ref

Our Ref PHT/MD

Date 28.9.92

Mr Wilcox,
Lincoln Farm Cafe,
Kenilworth
Hampton Arden,
Solihull,
Warks. B92 0LG

Dear Mr. Wilcox,

FARM 2000 Boiler at Lincoln Farm Cafe

Please find enclosed boiler data sheet.

Your boiler is Model A7 with maximum output 76KW (0.076MW).

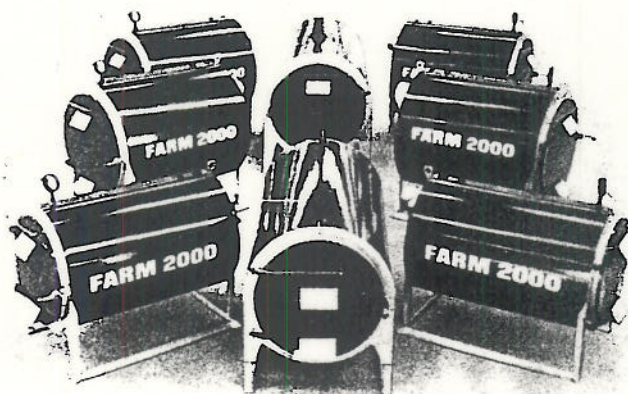
Yours sincerely,



PETER TEISEN

Directors
P H Teisen NDA MRAC
K E H Teisen CEng FInstE
Registration No 1298075
VAT Registration No 113345116
Telex 335145 c/o Teisen Furnaces Ltd

ROYAL AGRICULTURAL
SOCIETY MACHINERY
AWARD 1986
SILVER MEDAL



FARM 2000 and the UNI-BOILER

FARM 2000, specialists in the design and application of boilers for use with wood/straw, offer you the largest range manufactured in the U.K. The UNI-BOILER's benefits of low cost heating are now available to you.

Over 50 years associated experience in industrial furnace design, combined with a realistic attitude to the world-wide energy situation, means FARM 2000 have the technology and awareness to offer you the sensible, economical and practical answer to today's heating needs.

Many current heating systems depend on ever-expensive and fast-running-out fuels like gas and oil. A good low-cost alternative fuel, already used by many, is wood and straw. Indeed virtually any plant material which grows and can be air-dried, can be regarded as a potential fuel. Thus there can be a continuous supply of fuel available. These "grown fuels" are virtually free of sulphur and therefore burn with far less pollution than oil and coal.

The UNI-BOILERS are designed to operate central heating systems by the controlled combustion of such fuels as cord wood, logs, straw bales, packaging and other combustible waste materials. Thus, they provide partial or complete independence from future fuel costs by being self-sufficient. According to the type, and amount of waste material available, the UNI-BOILER can maintain FULL CENTRAL HEATING and HOT WATER at very low running costs. Typical heating applications of the UNI-BOILER include:

FARM HOUSES, COUNTRY HOUSES

ESTATE & FARM BUILDINGS

PIGGERIES, POULTRY UNITS, MILKING PARLOURS
(HOT WATER)

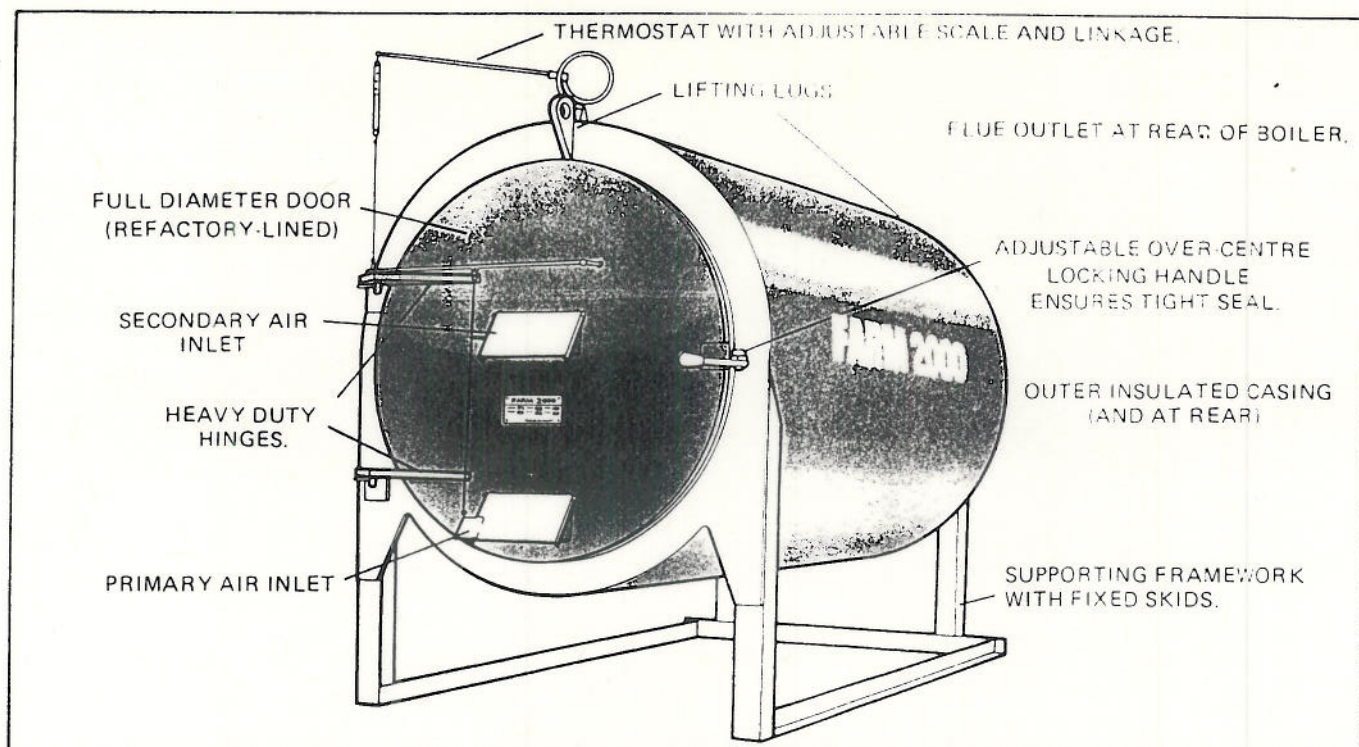
CALF REARING UNITS (HOT WATER FOR FEEDING)

GLASS-HOUSES, GRAIN DRYING

JOINERIES, TIMBER YARDS, FACTORIES,
WORKSHOPS AND OFFICES

SWIMMING POOLS

OTHER APPLICATIONS WHERE LOW COST HOT
WATER AND HEATING ARE REQUIRED



How does the UNI-BOILER operate ?

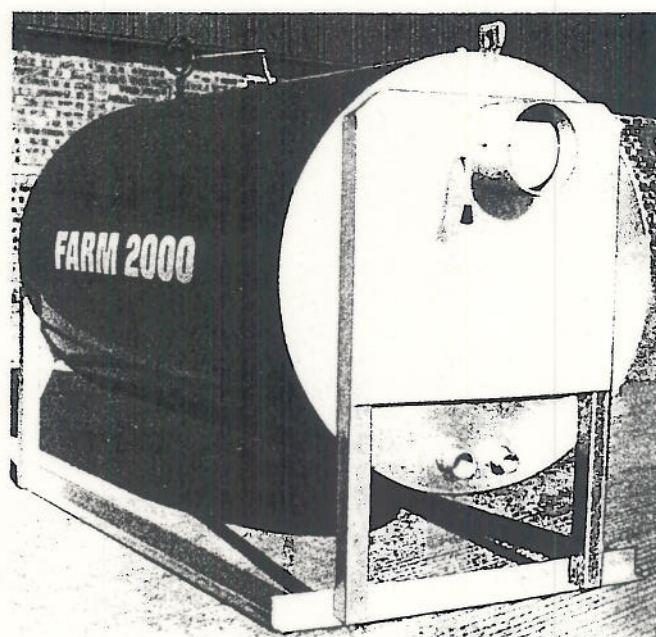
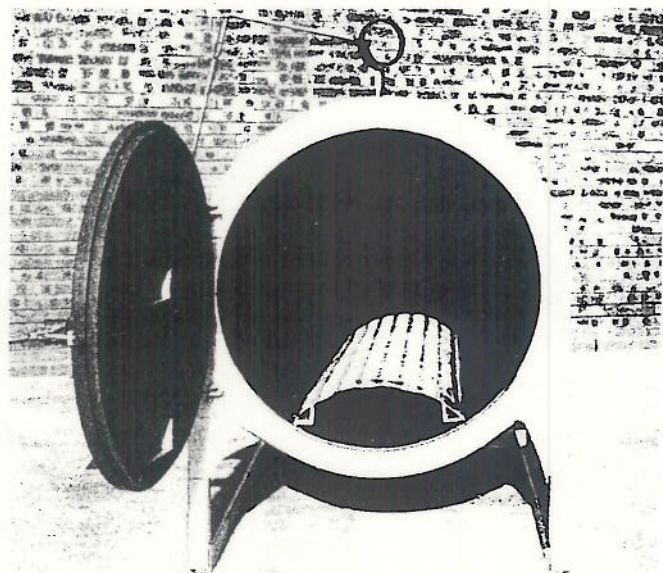
A large capacity combustion chamber with its surrounding water jacket, provides the maximum heat transfer surface area for high efficiency and minimum frequency of stoking. Large logs and several straw bales can be used in most of the UNI-BOILERS. Fuel is easily added through a large purpose-built door. (See specification and data chart).

The water temperature is automatically controlled by the thermostat which operates both the primary and the secondary combustion air inlet dampers. There is an adjustable linkage for setting the temperature, which does not need to be disconnected when opening the boiler door.

The boiler jacket, which is heavily insulated all the way round, underneath, and at the back, contains a unique internal baffle system which improves the water circulation and hence ensures the efficiency of the boiler. An adjustable flue damper is included, enabling the ideal draught requirement to be set to suit the fuel being used at the time. An additional flue baffle is also included to reduce any excess heat loss to the chimney.

The UNI-BOILER can easily be incorporated into an existing system. This is achieved by linking the UNI-BOILER to the existing boiler with automatic switch-over facility, enabling an oil or gas-fired boiler to remain as stand-by if required. If the temperature in the UNI-BOILER drops below a pre-set level, the second boiler switches on AUTOMATICALLY. Thus one has the convenience of oil/gas when required, AND the economy of burning waste fuel. When heating with both oil and wood/straw two separate boilers are recommended because boilers designed to burn wood and straw do not operate efficiently when adapted to burn oil.

The highest standards and most up-to-date methods of fabrication and welding are employed during production. Each boiler undergoes quality control & pressure testing before despatch.



Fuel Types and Suitability

The advantage of the UNI-BOILER system, is that different fuels can be burned making good use of wood, straw, and other waste materials as available to you. These fuels vary in density and heat output and the following information is given for your guidance. The thermal value of the fuel denotes the amount of heat released when complete combustion occurs (compare with coal at 14,000 B.T.U./lb, and oil at 19,000 B.T.U./lb).

FUEL (in dry condition)	APPROX THERMAL VALUE B.T.U./lb.	ASH CONTENT	GENERAL *
WOOD	8500	Approx 0.5%	Wood has the advantage of being compact and therefore more fuel value can be loaded at one filling. Average stoking is 1-2 times per day. The ash content is low, and on average ash removal is every 2-3 weeks.
BARLEY/WHEAT STRAW	7750	Approx 7.0%	Straw is bulky and therefore requires a larger combustion chamber to take the same fuel value as when loading with wood. Average stoking is 2-3 times per day. The ash content is higher and it needs to be removed every 2-3 days.
BEAN/RAPE STRAW	8250	Approx 2.5%	This type of straw is more compact than wheat/barley straw and therefore more fuel value can be loaded. Average stoking is 2-3 times per day. The ash content is relatively low and usually needs to be removed only once per week.

NOTE: Certain types of paper are not recommended as fuel

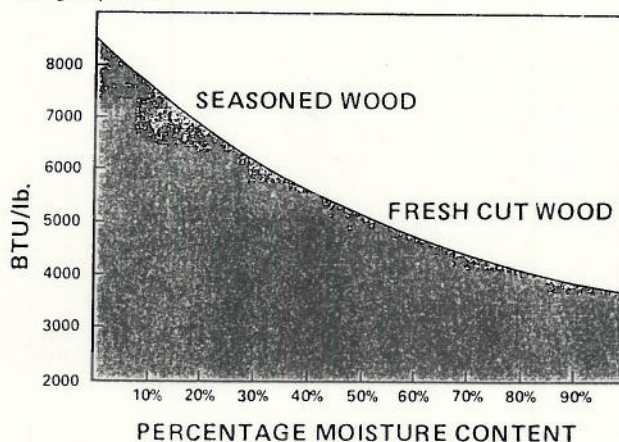
Cardboard has been found to burn very efficiently.

* Frequencies vary according to fuel conditions, moisture content, boiler size and output level

The Importance of Dry Fuel

Though it is well-known that one rarely has completely dry fuel, it is worth every effort to reduce the moisture content to a minimum.

The following graph illustrates clearly the benefits of using dry fuel.



Not only does excess moisture reduce the total fuel value, but also the nett available fuel value. Thus the efficiency and output of the boiler is reduced. This is because the energy required to drive off any excess moisture (in the form of steam) has to come from the fuel itself.

Too much moisture has the following effects:

1. More fuel has to be used.
2. Excess ash is produced (due to incomplete combustion).
3. Tar builds up in the boiler and chimney.
4. A heavy smoke (steam) is produced for a short while after stoking.
5. Straw can become difficult to burn.

To avoid these problems and to ensure a successful installation, it is strongly recommended that straw for burning should be baled and stored in a dry condition. Wood should be cut and seasoned for at least a year before use.

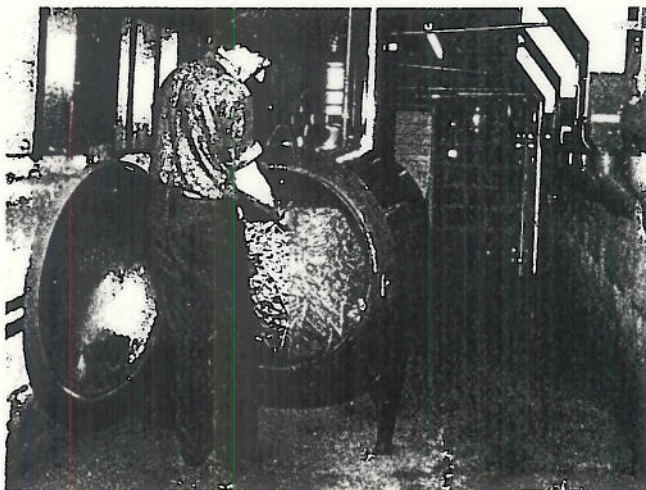
Installation Requirements and Recommendations to Help you Site the UNI-BOILER for Maximum Convenience & Efficiency.

Requirements

The UNI-BOILER is designed for use in any low pressure, indirect hot water heating system, and the installation requirements are straight forward. The UNI-BOILER should be installed in accordance with the Current Building Regulations, and British Standard Code of Practice for the Installation of Appliances, Flues and Chimneys designed to burn Solid Fuel.

The three following points should be considered before siting the boiler:

1. **CHIMNEY.** An insulated chimney is necessary to ensure adequate draught, and to avoid cooling of the flue gases, leading to down-draughts, tar build-up, and incomplete combustion. A height of 20 ft. is usually sufficient although, for straw combustion, the chimney may need to be higher. The chimney can be built of i) brick with suitable internal liners, ii) of pre-cast refractory modular material, or iii) of pre-fabricated insulated steel. The chimney is the driving unit of the boiler and without a good chimney, the UNI-BOILER will not operate at its maximum efficiency.
When linking two boilers together of different fuel types (eg solid fuel and oil) they must not share a common flue. Separate chimneys must be provided.
2. **GRAVITY HEAT LEAK** -- the ability for hot water to be circulated by gravity (thermo-syphon) when there is a pump failure, thus dissipating excess heat. This means that primary pipe-work must rise, usually to an indirect domestic hot water cylinder and a small radiator circuit. Usually, the heat leak should be 5-10% of the output of the boiler. Without this design feature in the circuit, the UNI-BOILER could overheat and boil if the pump fails.
3. **SAFETY VALVE, FEED and EXPANSION CISTERN, OPEN VENT PIPE.** These must be fitted in all cases.

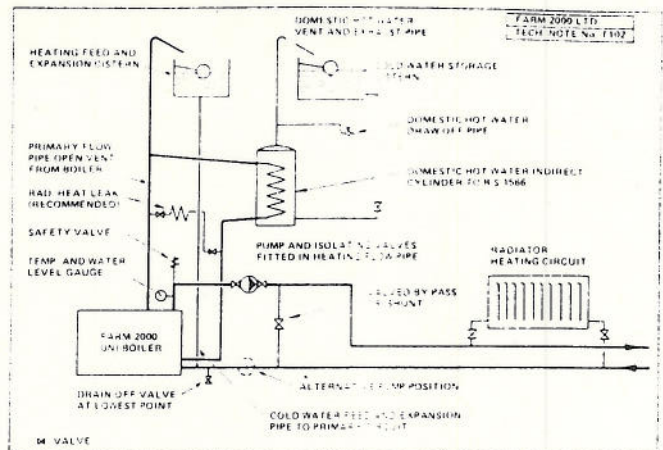


Milking Parlour Installation (Courtesy of Farmers Weekly)

A well-chosen, carefully planned UNI-BOILER SYSTEM need require no more attention than any other solid fuel system (ie coal, etc.)

It is extremely unlikely that there will ever be any lower-cost fuels than wood, waste or straw.

Example Layout of Domestic Hot Water and Central Heating from UNI-BOILER



Recommendations

1. The UNI-BOILER should be sited for maximum convenience and safety of stoking together with easy access to the fuel store. The Boiler Room should be well ventilated.
2. Straw and other easily combustible material should not be stored in the same room as the UNI-BOILER.
3. Some minor smoke emission can be experienced during stoking, so the UNI-BOILER should be installed in such a place that this does not cause a nuisance.
4. It is not recommended to store straw in basements or cellars.
5. The UNI-BOILER can be installed in an external position provided it is protected from the elements (i.e. a lean-to or simple Boiler House).
6. It is only necessary to have access to the front and back of the UNI-BOILER.

Choosing Your UNI-BOILER

Having the largest range manufactured in the U.K., means that there is a UNI-BOILER perfectly suited to your needs and fuel type available.

To help you select the right model:-

1. Determine the main fuel type to be used.
2. Estimate the maximum and average heat outputs required. Your heating engineer/FARM 2000 agent will be able to tell you how much fuel you will need per day. (For your guidance calculate on straw consumption at the approximate rate of 150,000 B.T.U. produced per bale).
3. Decide on frequency of stoking required.
4. When using straw as the main fuel, it is advisable to install a boiler with a higher output capacity than required. This will enable more straw to be loaded at a time and avoid the need for frequent stoking and ash removal. A large boiler at low output operates more efficiently and therefore uses less fuel than a smaller boiler at its maximum output.

Special Applications

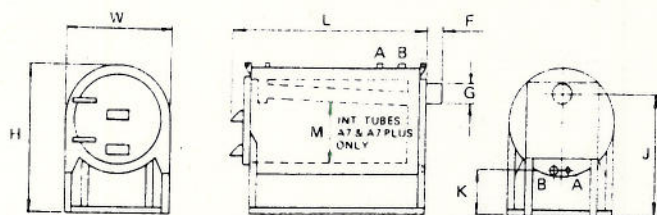
When warm air heating is required, e.g. for grain-drying, workshops, glasshouses, use the UNI-BOILER with fan driven heat-exchangers, (Unit Heaters). Your heating engineer will advise.

For Free Advice without obligation, on any of the above points, or if you have a Special Heating Requirement, contact your nearest Installation Agent or write to FARM 2000.

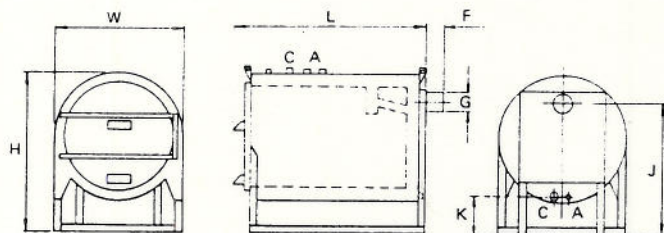
Write for our Free Booklet containing Full Installation, Plumbing and Operating Instructions.

The A6, A6 PLUS, A10 & A14 are recommended as being most suitable when straw only is available. Check your bale sizes against our combustion chamber dimensions before specifying.

Special Boilers can be made to individual requirements.



TYPE A2.5, A3.5, A5, A5 PLUS, A6, A6 PLUS, A7, A7 PLUS



TYPE A10 & A14

Specifications

The UNI-BOILER is supplied ready for installation, and specification includes the following:

- * HEAVY DUTY CORROSION RESISTANT CORTEN STEEL (4, 5 & 6 MM)
- * FULL DIAMETER DOOR, WITH HEAT RESISTANT REFRACTORY LINER, FOR SPEED AND EASE OF STOKING.
All doors are hinged on the left hand side. They can be reversed at no extra charge subject to adequate notice being given.
- * COMPLETE INSULATION FOR MINIMUM HEAT LOSS.
- * THERMOSTAT, CONTROLLING PRIMARY AND SECONDARY AIR INLETS.
- * TEMPERATURE AND WATER LEVEL GAUGE
- * COMPLETE SUPPORTING FRAMEWORK
- * HEAVY DUTY ANGLE-IRON SKIDS, FOR EASY MANHANDLING DURING INSTALLATION
- * ADJUSTABLE FLUE DAMPER AND ADDITIONAL FLUE BAFFLE
- * 2" BSP HEATING FLOW & RETURN. 1½" BSP PRIMARY FLOW & RETURN (i.e. TWO FLOW AND TWO RETURN CONNECTIONS).
- * REMOVEABLE FRONT ASH BAFFLE AND CLEANING ROD FOR SIMPLE MAINTENANCE
- * PRESSURE TESTED TO 4 BAR
- * DESIGN PRESSURE TO 3 BAR
- * A STRAW-BURNING GRATE IS INCLUDED WITH MOST MODELS (SEE PRICE LIST)
The grate is not necessary for wood burning.

	A2.5	A3.5	A5	A5 PLUS	A6	A6 PLUS	A7 *	A7 * PLUS	A10	A14
MAX. OUTPUT WITH SEASONED WOOD '000 B.T.U.'s	65	100	150	210	200	250	260	315	335	425
" K.W.	19	29	44	64	59	73	76	92	98	125
MAX. OUTPUT WITH DRY STRAW '000 B.T.U.'s		60	80	100	120	150	100	165	225	275
" K.W.		18	23	29	35	44	29	48	66	80
MAX. BALE CAPACITY (STANDARD BALES)		1	2	2	3-4	4-5	2-3	3	6	9-10
LENGTH COMBUSTION CHAMBER (INTERNAL)	1200	1450	1450	1950	1450	1950	1450	1950	1950	2950
DIAMETER COMBUSTION CHAMBER	545	700	925	925	1050	1050	1050	1050	1250	1250
LENGTH L	1500	1750	1760	2260	1760	2280	1760	2280	2280	3280
HEIGHT H	950	1080	1400	1400	1520	1520	1520	1520	1720	1720
WIDTH W	725	875	1120	1120	1270	1270	1270	1270	1470	1470
HEIGHT OF COMBUSTION CHAMBER AT M							700	700		
HEIGHT OF FLUE OUTLET J	730	840	1150	1150	1230	1230	1230	1230	1410	1410
FLUE LENGTH F	150	150	150	150	200	200	200	200	200	200
FLUE DIAMETER G (INSIDE)	180	206	206	206	256	256	256	256	256	308
HEIGHT TO RETURN TAPPINGS K	320	320	320	360	360	360	360	360	360	360
TAPPING SIZE A (INCHES B.S.P.)	1½	1½	1½	1½	1½	1½	1½	1½	1½	1½
TAPPING SIZE B (INCHES B.S.P.)	2	2	2	2	2	2	2	2		
TAPPING SIZE C (INCHES B.S.P.)									2½	2½
WATER CAPACITY (LITRES)	93	155	215	265	260	330	305	385	515	700
WEIGHT LESS GRATE (TONNES)	0.4	0.5	0.6	0.7	0.8	1.10	0.9	1.25	1.50	2.0
OVERALL LENGTH WITH DOOR OPEN	2050	2450	2700	3200	2850	3350	2850	3350	3550	4550

The right to amendments without notice is reserved.

Registered Design

Patent Pending

Each boiler has a guarantee.

All dimensions in mm unless stated
Outputs vary with fuel type and moisture content

*Internal tubes fitted, which increase efficiency and output, but reduce straw bale capacity.



Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

CEMEX UK Materials Limited

Berkswell Quarry
Cornets End Lane
Meriden
Warwickshire
CV7 7LH

Permit number
EPR/BB3333RH

Berkswell Quarry

Permit Number EPR/BB3333RH

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

This permit allows the continued restoration of Berkswell Quarry for agriculture and woodland use with the spreading of recovered soils and silt over the quarried area. The operator has previously deposited inert waste for recovery under a Paragraph 9 waste exemption, registration number BD3/003094. The restoration scheme is as agreed with the planning authority as detailed in the accepted Waste Recovery Plan Berkswell Quarry 216752/WRP/Berkswell (Rev B), dated 29th Sep 2011. Protection of the land and groundwater will be afforded by strict adherence to the Waste Acceptance Criteria (WAC) to ensure only non contaminated inert wastes are deposited.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status Log of the permit		
Detail	Date	Comments
Application EPR/BB3333RH/A001	Duly made 30/09/11	
Further information	21/02/12	Revised drawing
Further information	23/02/12	Revised waste quantities and depth of spreading
Permit determined	02/04/12	

End of Introductory Note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/BB3433RC

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

CEMEX UK Materials Limited ("the operator"),
whose registered office is

CEMEX House
Coldharbour Lane
Thorpe
Surrey
TW20 8TD

company registration number **04895833**

to operate a waste operation at

Berkswell Quarry
Cornets End Lane
Meriden
Warwickshire
CV7 7LH

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Andrew Turner	02/04/2012

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.2.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 (a) The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- (b) If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan specified in schedule 1, table S1.2 or otherwise required under this permit, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.1, and
- (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.3 No waste shall be accepted for disposal at the site.
- 2.3.4 The operator shall visually inspect:
- (a) without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the site; and
- (b) waste at the point of deposit.
- and shall satisfy itself that it conforms to the basic characterisation documentation submitted by the holder.

3 Emissions and monitoring

3.1 Emissions of substances not controlled by emission limits

- 3.1.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.1.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan;

- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2 Odour

- 3.2.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.3 Noise and vibration

- 3.3.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.3.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
 - (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and

- (ii) matters which affect the condition of the land and groundwater.

- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
 - (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in the permit; or
 - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
 - (b) any change in the operator's name(s) or address(es); and
 - (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
 - (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities	
Description of activities	Limits of activities
R13: Storage of wastes pending any of the operations numbered R3 and R5.	Secure storage and use of wastes listed in table S2.1 for the purposes of restoration work, as detailed in the approved waste recovery plan. The activities shall not be carried out other than in accordance with the approved waste recovery plan.
R3: Recycling/reclamation of organic substances which are not used as solvents;	
R5: Recycling or reclamation of other inorganic materials	

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Response to sections 3d and 6, of Part B2 of application form and sections 3a and 4a of Part B4 of application form.	30/09/11
Application	Berkswell Quarry Waste Recovery Plan 216752/WRP/Berkswell (Rev B), dated 29 th Sep 2011.	30/09/11
Further information	Email response from CEMEX dated 21/02/12	21/02/12
Further information	Email response from ARUP dated 23/02/12	23/02/12
Further information	Revised cross sectional drawing ref. no. 11-055-D-SLH-001	21/02/12

Schedule 2 - List of permitted wastes

Table S2.1 Permitted waste types and quantities for the use of waste in construction	
Maximum quantity	The maximum quantity of waste accepted at the site shall be less than 361500 tonnes.
Exclusions <ul style="list-style-type: none"> Waste from contaminated sites unless sampled and analysed for contamination and a specific risk assessment undertaken. 	
Waste code	Description
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
1701	<i>concrete, bricks, tiles and ceramics</i>
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 170106
1705	<i>soil (including excavated soil from contaminated sites), stones and dredging spoil</i>
17 05 04	soil and stones including chalk other than those mentioned in 170503 (excluding topsoil and peat)
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
2002	<i>garden and park wastes (including cemetery waste)</i>
20 02 02	soil and stones (excluding topsoil and peat)

Schedule 3 – Emissions and monitoring

There are no emission limits or monitoring requirements associated with this permit.

Schedule 4 – Reporting

There are no reporting requirements associated with this permit.

Schedule 5 - Notification

This page outlines the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	EPR/BB3333RH
Name of operator	
Location of Facility	Berkswell Quarry
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution

To be notified within 24 hours of detection

Date and Time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	
Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B to be supplied as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit..

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pollution” means emissions as a result of human activity which may—

- (a) be harmful to human health or the quality of the environment,
- (b) cause offence to a human sense,
- (c) result in damage to material property, or
- (d) impair or interfere with amenities and other legitimate uses of the environment.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

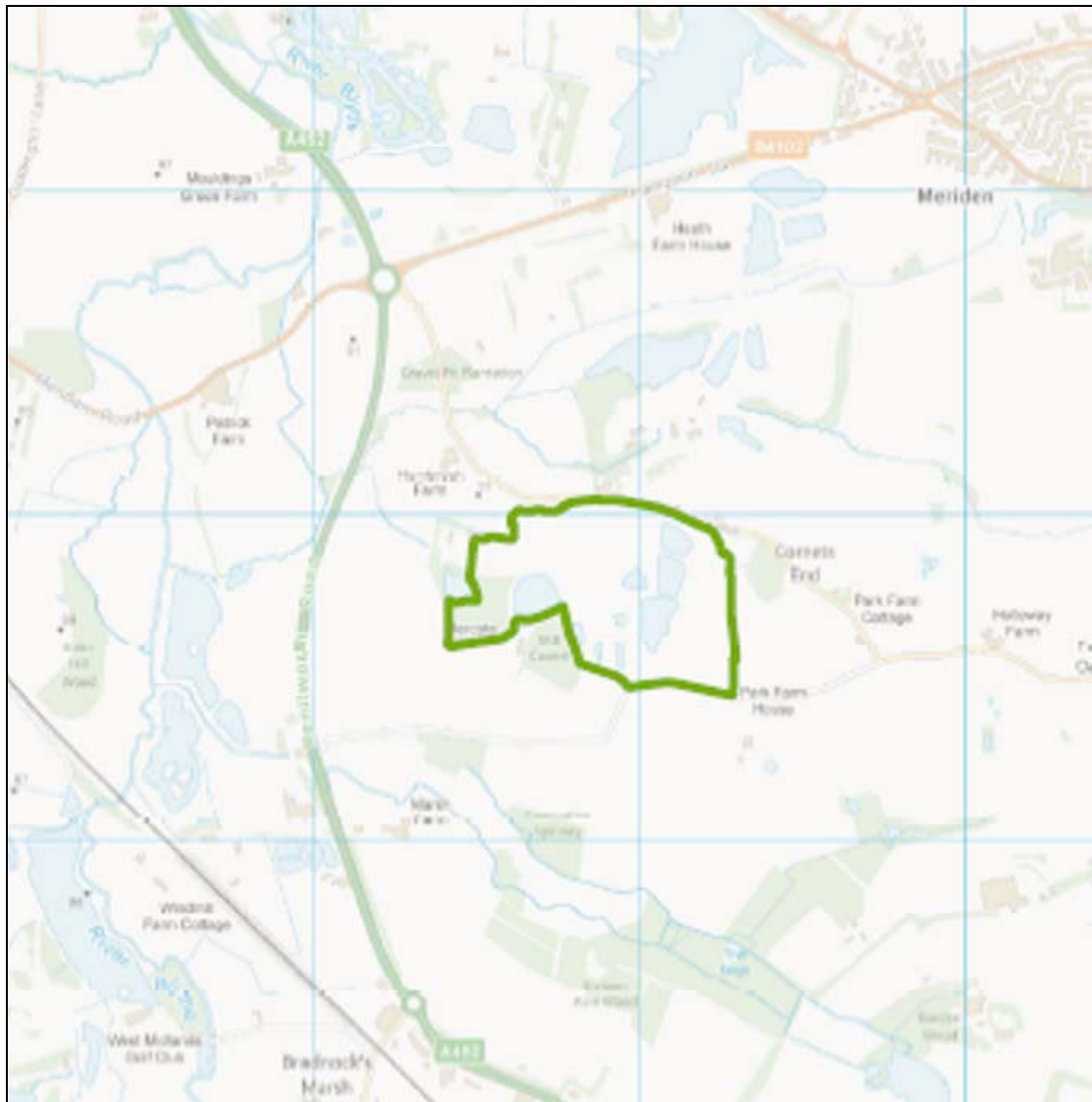
“secure storage” means storage where waste cannot escape and members of the public do not have access to it.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or *“WFD”* means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

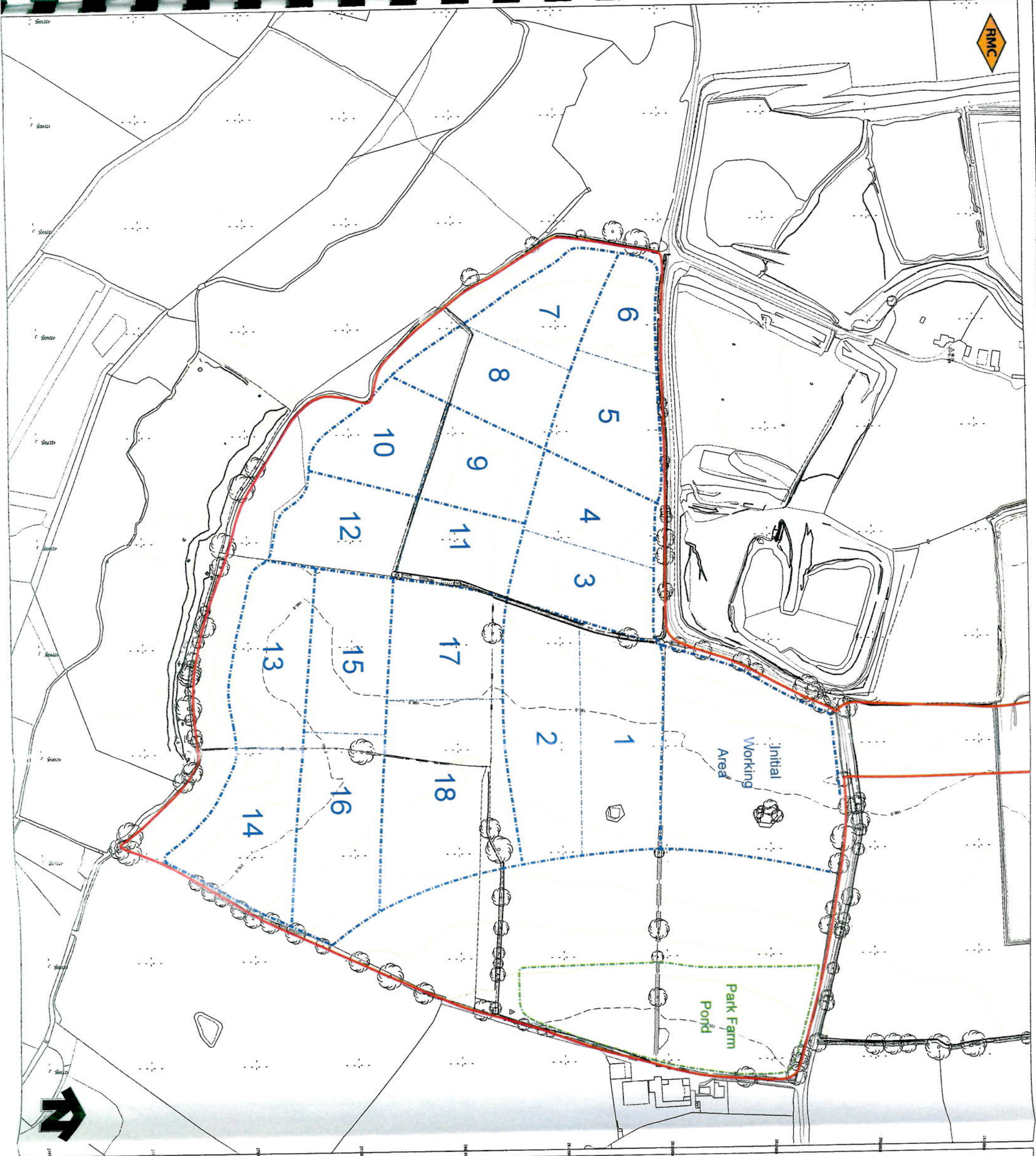
“year” means calendar year ending 31 December.

Schedule 7 - Site plan



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END OF PERMIT



LEGEND

Application Site

Extent of Operational Phases



REVISIONS			
F	E	D	C
B	A		

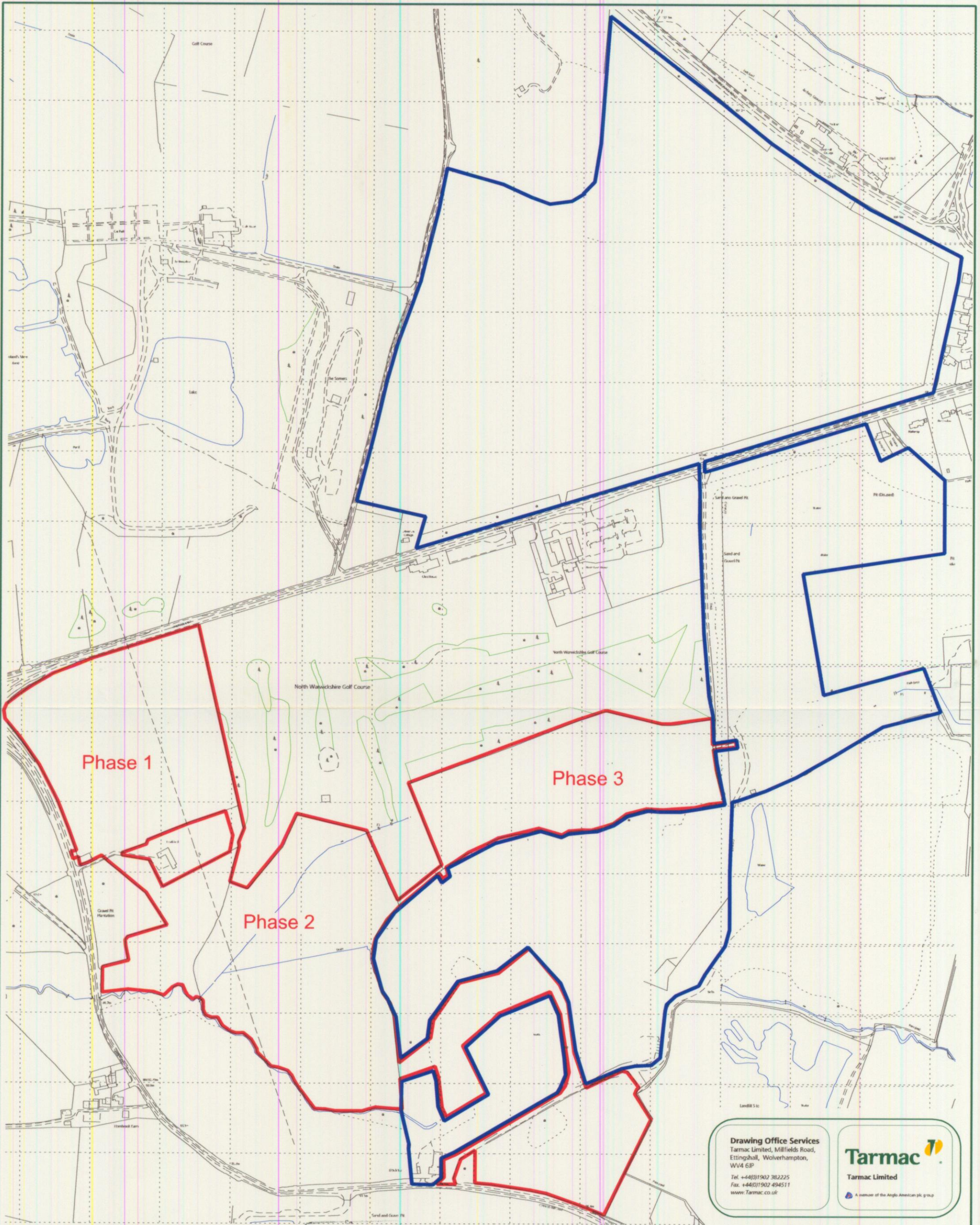
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RMC Aggregates (UK) Limited

Planning Department
RMC House, Church Lane,
Bromsgrove, Worcestershire, B61 8RA
Telephone 01527 576 777
Facsimile 01527 577 342

Drawn By	SDD/CAW	Company	RMC Aggregates (Western) Limited
Date	January 2003	Site	Park Farm, Berkswell
Scale	Not to Scale	Project	Proposed Extraction of Sand and Gravel
Original Size	A3	Title	Extent of Operational Phases
File Reference	928	Drawing Number	BE 20 / 3



Legend

- Planning Application Area
- Other Land controlled by Applicant

Strategic Services

RECEIVED
12/64
16 JAN 2012

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Fax: +44(0)1902 494511
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Meriden

Planning Application

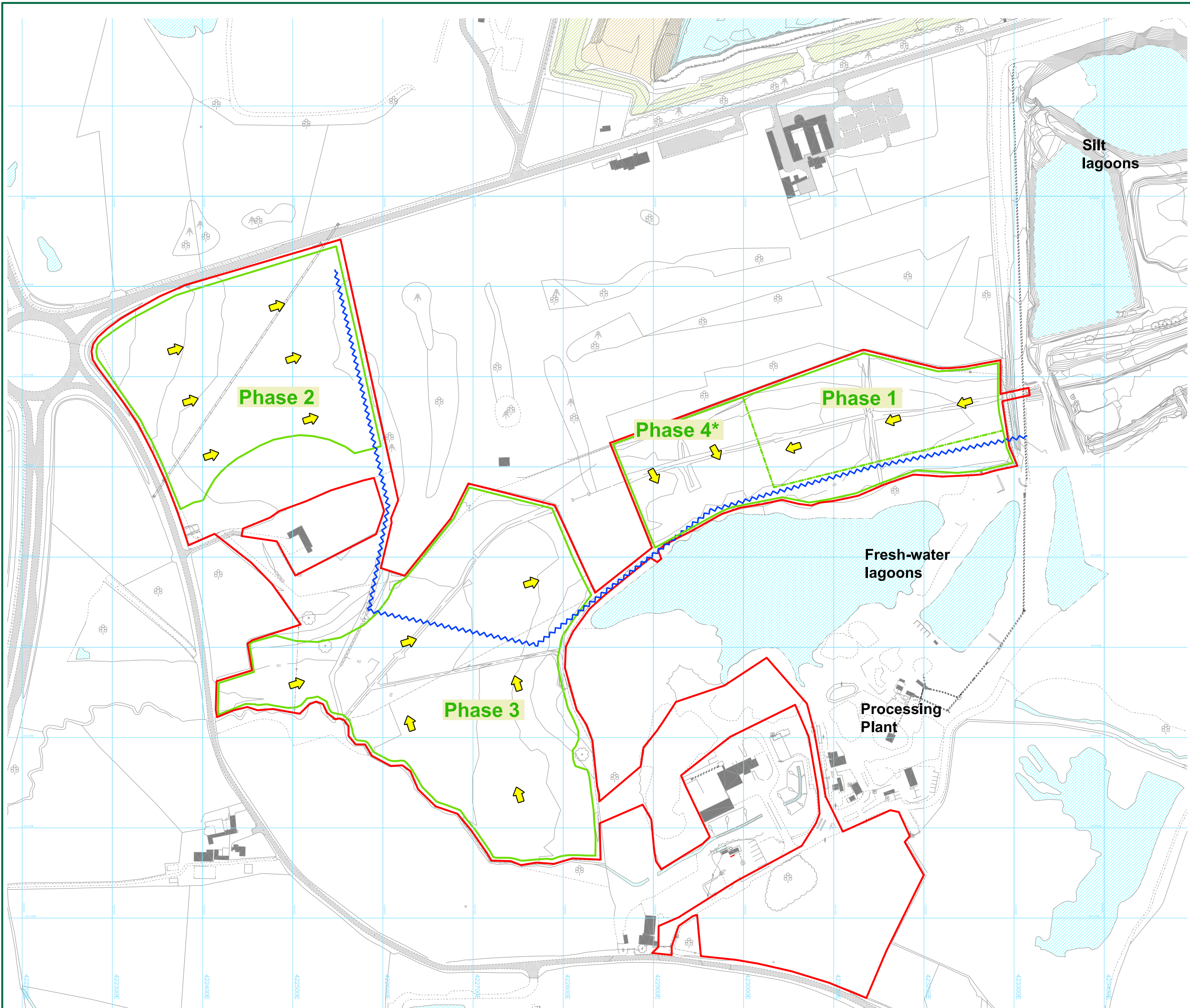
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B.A.S. / B.P.

Scale
1:5,000 @A3





Date
January 2012

Drawing No
M96 / 32





Legend

-  Boundary - Extraction Phase
-  Boundary - Planning Permission
-  Working Direction
-  Main field conveyor route
(note: local wing conveyors will be used to transport as-dug material to the main field conveyor for transport to the processing plant)

AMENDED

* Phase 4 mineral remains in-situ until the end of the development, as the initial soil storage area.

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Wolverhampton,
WV4 6JP
Tel. +44(0)1902 382225
Fax. +44(0)1902 494511
www.Tarmac.co.uk



Meriden Quarry

Revised Extension Phasing

Drawn By: B J Matthews	Scale: 1:4,000 @ A3
Date: October 2012	Drawing No: M96 / 49



30 January 2013

Mr D Wigfield – Mineral Planning Officer
Solihull Metropolitan Borough Council
PO Box 11652
Council House
Solihull
West Midlands
B91 9YA



Our Ref NA/30589/M096/P
Direct Tel 01902 382083
Mobile 07702 635323
Direct Fax 0870 191 3674
E-mail nick.atkins@tarmac.co.uk

App Ref No.
2012/64.

Dear Dave

**RE: MERIDEN QUARRY – SUBMISSION OF RESERVED MATTER SCHEMES
PURSUANT TO PLANNING PERMISSION 2012/64 DATED 08/11/2012**

Further to the granting of planning permission for the extension of workings at Meriden Quarry (planning permission ref 2012/64 dated 08/11/2012), I now enclose detailed schemes to address all of the required pre-commencement planning conditions as follows;

Condition 2 – archaeology

Written scheme of investigation prepared by Worcestershire Archaeology. In preparing the attached document, our consultants have directly liaised with Anna Stocks (planning archaeologist at Warwickshire County Council) to ensure the submission covers all relevant matters.

Condition 3 – surface water management

Scheme prepared by hydrological consultants, BCL.

Condition 4 – diversion of Horn Brook

The proposed scheme for the diversion of the brook has been considered by your drainage team and flood risk manager and formal consent has been received from them. I have attached the submitted scheme and consent for completeness to allow you to formally discharge the planning condition to submit a scheme.

Condition 13 – noise monitoring

Scheme prepared by external consultants Amec.

Condition 18 – air emission monitoring

Scheme prepared by external consultants Amec.

RECEIVED 31 JAN 2013

Lafarge Tarmac Limited
Millfields Road
Ettingshall
Wolverhampton
West Midlands
WV4 6JP

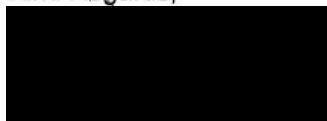


Conditions 5, 6, 9 and 24 – ecology, landscaping, tree protection and bats

A composite submission prepared by Pleydell Smithyman is attached.

Part of the reason for pursuing the approval of the Horn Brook diversion is that we need to move as quickly as possible to commence operations in phase 1 to ensure continuity of mineral supply from the site. Ideally, our contractors would like to commence the Brook diversion works in the next couple of weeks, followed by soil stripping towards the end of February. I appreciate that this is a tight timeframe, and would therefore be grateful if you could circulate the schemes to internal consultees as soon as possible and politely stress the need for an early response.

Kind Regards,



Nick Atkins

Estates Manager – Tarmac West

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The
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200 Lichfield Lane
Berry Hill
Mansfield
Nottinghamshire
NG18 4RG

Tel: 01623 637 119 (Planning Enquiries)

Email: planningconsultation@coal.gov.uk

Web: www.coal.decc.gov.uk/services/planning

Mr Peter Miller – Head of Environment
High Speed Two (HS2) Ltd

[By Email Only: HS2EIASMConsultation@hs2.gsi.gov.uk]

17 May 2012

Dear Mr Miller

HS2 Draft Scope and Methodology for HS2 Environmental Impact Assessment

Thank you for your consultation letter of the 4 April 2012 seeking the views of The Coal Authority on the above.

The Coal Authority notes and welcomes that previous our comments made in July 2011 have been positively considered and taken into account in Section 11, Land Quality of this current consultation scoping methodology report.

National Coal Resources

As you are aware the broad direction of the HS2 line passes through the Oxfordshire and Warwickshire coalfield which contains coal resources at varying depths. The majority of the coal resource is at depth with only a limited area of more shallow resources which could be accessed using surface mining methods.

Coal is a nationally important mineral; most recently confirmed by the National Planning Policy Framework 2012. Coal mining not only provides indigenous coal resources for to help with the security of the nation's energy needs, but is also a significant contributor to the surrounding local economies.

Within the proposed HS2 line there is an existing commercial underground coal mine, Daw Mill Colliery, which has a current licence to operate from 1994 to 2093. The attached plan illustrates the extent of the current licensed area (pink) together with the extension application (green) which has recently been submitted.

The interaction of a surface and a sub-surface land use within the same vertical plane clearly has the ability to adversely affect one another. In this context the indicative route for phase 2 of HS2 has the potential to adversely affect the viability of the commercial operations of Daw Mill Colliery leading to the operational sterilisation of deep coal resources.

The EIA process does need to consider this potential coal resource sterilisation by HS2 and its associated infrastructure. Avoiding the sterilisation of minerals resources by permanent, non-mineral development is a long standing objective of national planning policy.

The geological information to inform the consideration of the impact and sterilisation of national and local mineral resources can be obtained from the British Geological Survey.

The EIA ultimately needs to determine the significance of the impact upon the national coal resources together with the ability for the current and established colliery to continue operating. It is pleasing to note that this will be assessed using Tables 10 and 11 which already identify major mining and mineral resources are a highly sensitive receptor and the impact of their loss could be high.

Formulating a methodology for the assessment of this impact together with the necessary mitigation should be informed by the views of the commercial coal operators, perhaps through their trade association, the Confederation of UK Coal Producers (CoalPro), in addition to The Coal Authority, at the next stage of the EIA process.

A further issue which the EIA process needs to analyse is the broad potential for the use of the deeper coal resources within the vicinity of the HS2 route being explored for the emerging energy technology of underground coal gasification. Further discussion would be recommended both with the Department for Energy and Climate Change and The Coal Authority in this regard.

Coal Mining Legacy and Public Safety Risks

It is welcomed that paragraph 11.4.5 recognises that the environmental legacy of mining will be explored within the assessment. Whilst this current consultation considers the route up to Birmingham which passes through the lower risk area as defined by The Coal Authority this matter will need more detailed consideration for the phase beyond Birmingham.

The Coal Authority holds detailed information on the scale, nature and distribution of coal mining legacy and this is available for the more detailed assessment of this aspect.

The following should be examined in order to establish the risks posed to the HS2 and consequently inform the mitigation strategy:

- The location and stability of abandoned mine entries;
- The extent and stability of shallow mine workings;

- Outcropping coal seams and unrecorded mine workings; and
- Hydrology, minewater and mine gas

Where the route is likely to pass through areas of coal mining legacy it is recommended that a meeting is held with The Coal Authority to review the mitigation strategy since managing the legacy of coal mining is a key public task and any works which intersect, enter, disturb any coal and coal mine workings will require the prior written permission of The Coal Authority. The current Scope and Methodology does not make any reference to this existing requirement, although this is more relevant for the phase to the north of Birmingham.

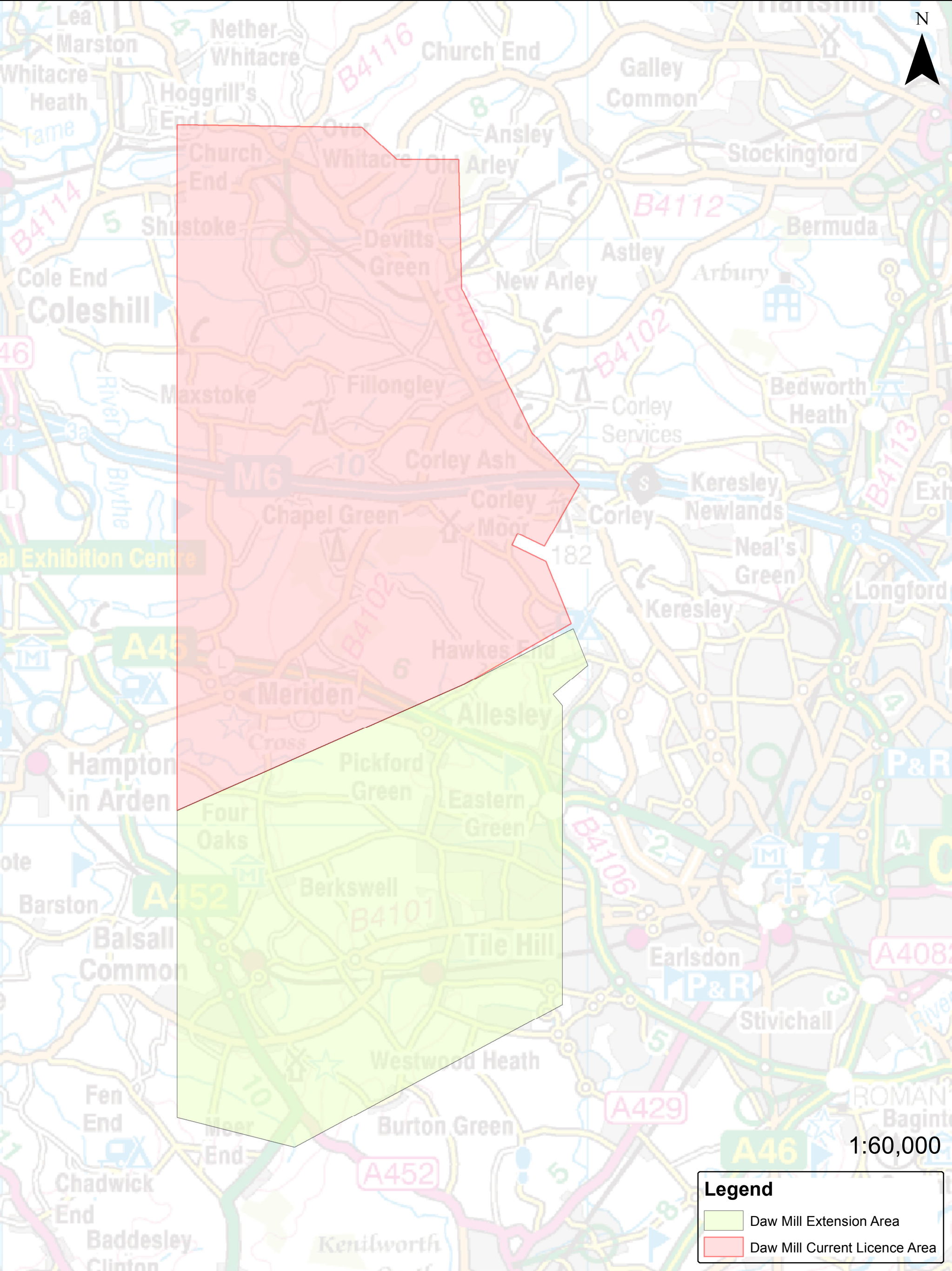
The Coal Authority looks forward to receiving further consultations on this proposal in due course.

Yours sincerely

R. A. Bust

Miss Rachael A. Bust *B.Sc.(Hons), MA, M.Sc., LL.M., AMIEnvSci., MInstLM, MRTPI*
Chief Planner / Principal Manager
Planning and Local Authority Liaison

Enc. The Coal Authority Daw Mill Colliery Licensed Area Plan (April 2012)



The
COAL
AUTHORITY

Daw Mill
Extension Area

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VARIATION TO A PART II UNDERGROUND OPERATING LICENCE - GRANTED

DAW MILL COLLIERY

LICENCE NUMBER	CA11/DM/95/0009/S
LICENCE TYPE	Underground Operating Licence
LICENCE STATUS	Granted
DATE OF GRANT	31 st October 1994
DATE AUTHORISATION COMES INTO FORCE	31 st October 1994
IDENTITY OF PERSON TO WHOM LICENCE IS GRANTED	UK COAL MINING LIMITED
OTHER PERSONS ENTITLED TO MINE UNDER THE LICENCE	Any Coal-Mining Operations carried out under this Licence may be carried out through any officer, employee or contractor of the Licensee provided that the carrying out of those Coal Mining Operations remains under the control of the Licensee.
AREA TO WHICH AUTHORISATION RELATES	Details attached
DEPTH RESTRICTIONS ON AUTHORISED OPERATIONS	Details attached
OTHER RESTRICTIONS ON AUTHORISED OPERATIONS	Details attached
ANY AREA OF RESPONSIBILITY	Details attached
LICENCE PROVISIONS FOR EXPIRY OF AUTHORISATION	Details attached
LICENCE PROVISIONS FOR THE PURPOSES OF SECTION 58 OF THE 1994 ACT AND LICENCE CONDITIONS REQUIRING THE DISCLOSURE OF INFORMATION THAT MAY BE RELEVANT FOR THE PURPOSES OF SECTION 58 OF THE ACT	Without prejudice to Condition 14.3, all and any information from time to time provided by the Licensee to the Coal Authority pursuant to Conditions 5.2(a), 5.2(b), 5.2(e), 5.2(f), 5.2(g), 5.3, 8.1(a), 8.2, 9 or 12.4(c)(ii) may be disclosed by the Coal Authority for the purposes of replying to the coal-mining searches referred to in Condition 8.2 [Note: Copies of Conditions 14.3, 5.2(a), 5.2(b), 5.2(e), 5.2(f), 5.2(g), 5.3, 8.1(a), 8.2, 9 or 12.4(c)(ii) are available on request from the Coal Authority] All and any information of the description specified above that is disclosed by the Coal Authority for the purposes specified in that Condition shall be treated, for the purposes of section 58 of the Coal Industry Act 1994, as information whose accuracy the Licensee has undertaken to secure.
LICENCE PROVISIONS FOR DETERMINING WHEN AREA CEASES TO BE THE AREA OF RESPONSIBILITY OF THE LICENCE HOLDER	At any time after the Coal Authority has given notice pursuant to Condition 15.2 the Coal Authority may give notice to the Licensee extinguishing the whole of the Area of Responsibility or such part or parts of the Area of Responsibility as may be specified by the Coal Authority in the notice (or further notice(s)). Condition 15.2 provides that, where the Coal Authority has given a notice under Condition 15.1 requiring the Licensee to comply with a final enforcement order (or with a provisional enforcement order that has been confirmed) under Section 31 of the Coal Industry Act 1994, or requiring the remedy of certain breaches of obligations in relation to subsidence damage, and (in either case) the period specified in the notice for this to be done has expired without it having been done, the Coal Authority may give a further notice that the period has expired and this notice shall terminate the permission to carry out coal-mining operations contained in Condition 3.1 if this permission is still in force.
MODIFICATIONS TO LICENCE PARTICULARS	Extension of Licence area dated 7 th December 2012
DATE OF REVOCATION OF LICENCE OR OF AUTHORISATION TO MINE	-
ENFORCEMENT ORDER IN EXISTENCE (DETAILS ATTACHED IF APPLICABLE)	-
FORM OF SUBSIDENCE SECURITY	-
IDENTITY OF PERSON PROVIDING SECURITY	-
IDENTITY OF TRUSTEE	-
ADDRESS OF TRUSTEE	-

DAW MILL COLLIERY

Reference : CA11/DM/95/0009/S

Coal Industry Act 1994 Part II : Licence Register Details - Variation 7th December 2012

3. VARIATION

- 3.1 The Authority and the Licensee in accordance with Condition 18.1 of the Licence agree that :-
- 3.1.1 Plan B and Plan C, as defined in the Licence, shall be substituted by the combined Plan D annexed to this Agreement and all references to Plan B and Plan C in the Licence shall be construed as referring to Plan D annexed to this Agreement;
 - 3.1.2 Schedule 2 of the Licence shall be substituted by Schedule 1 of this Agreement;
 - 3.1.3 The proposed high speed railway line HS2 shall be added to the "Schedule of Sensitive Surface Features" contained in the Licence and, in accordance with Schedule 3, Clause 3 of the Licence, shall be given due consideration by the Licensee when planning mine layouts.
- 3.2 the Licence shall continue in full force and effect save as modified by Clause 3.1 above.

SCHEDULE 1

Licensed Area

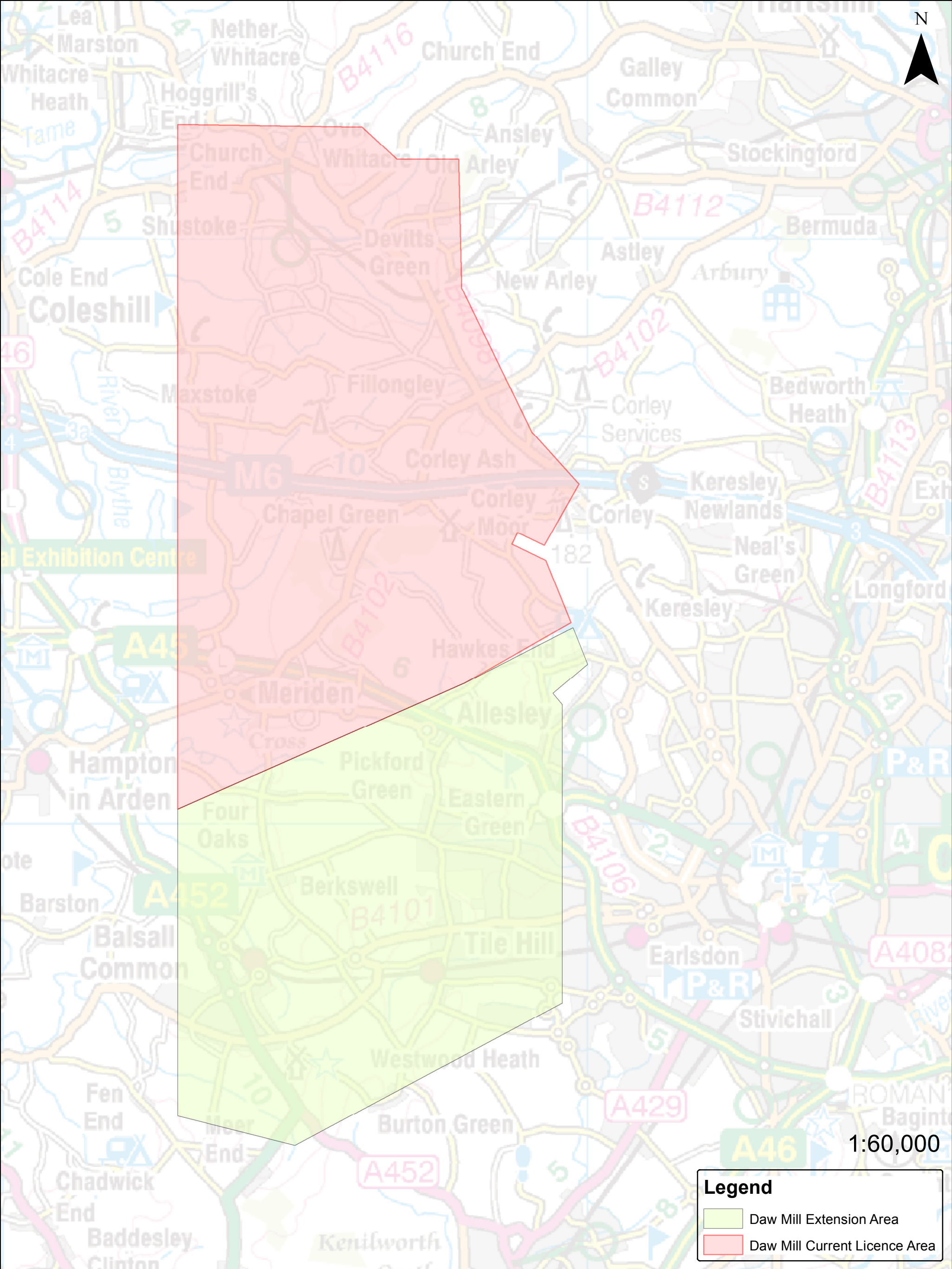
(Daw Mill Colliery)

For the purposes of this schedule:

"Specified Seam" means such parts of all seams comprising the Warwickshire Thick Coal as lies beneath the surface area of 9,984 hectares or thereabouts shown edged red on Plan D annexed to this Agreement.

Part 1

- 1. the two (2) shafts and the drift mine, the approximate locations of which are shown marked on Plan D attached to the Licence, and all other shafts, drifts, adits, roadways and other underground spaces used or occupied at the date of this Licence in connection with the winning, working or getting of Coal from the Specified Seam; and
- 2. (to the extent not covered by paragraph 1 above) the land shown edged red on Plan D down to a depth, at any point, which is 1,000 metres below the deepest Specified Seam beneath that point.



The
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AUTHORITY

Daw Mill
Extension Area

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